

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MEETING OF THE BOARD OF DIRECTORS

Tuesday, January 12, 2010- 7:00 p.m.

AGENDA

The Coastside County Water District (CCWD) does not discriminate against persons with disabilities. Upon request, the agenda and agenda packet materials can be provided in a format to accommodate special needs. If you require a copy of the agenda or related materials in an alternative format to accommodate a disability, or if you wish to attend this public meeting and will require special assistance or other special equipment, please call the District at (650) 726-4405 in advance and we will make every reasonable attempt to provide such an accommodation.

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the CCWD District Office, located at 766 Main Street, Half Moon Bay, CA at the same time that the public records are distributed or made available to the legislative body.

This agenda and accompanying materials can be viewed on Coastside County Water District's website located at: www.coastsidewater.org.

The Board of the Coastside County Water District reserves the right to take action on any item included on this agenda.

- 1) ROLL CALL
- 2) PLEDGE OF ALLEGIANCE
- 3) PUBLIC ANNOUNCEMENTS

Any person may address the Board of Directors at the commencement of the meeting on any matter within the jurisdiction of the Board that is not on the agenda for this meeting. Any person may address the Board on an agenda item when that item is called. The Chair requests that each person addressing the Board limits their presentation to three (3) minutes and complete and submit a Speaker Slip.

4) CONSENT CALENDAR

The following matters before the Board of Directors are recommended for action as stated by the General Manager.

All matters listed hereunder constitute a Consent Calendar, are considered as routine by the Board of Directors, and will be acted upon by a single vote of the Board. There will be no separate discussion of these items unless a member of the Board so requests, in which event the matter shall be removed from the Consent Calendar and considered as a separate item.

- A. Requesting the Board to review disbursements for the month Ending December 31, 2009 - Claims: \$355,918.95; Payroll: \$76,465.71 for a total of \$432,384.66 ([attachment](#))
- B. Acceptance of Financial Reports ([attachment](#))
- C. Minutes of the December 8, 2009 Board of Directors Meeting ([attachment](#))
- D. Minutes of the December 15, 2009 Special Board of Directors Meeting ([attachment](#))
- E. Monthly Water Transfer Report ([attachment](#))
- F. Installed Water Connection Capacity and Water Meters Report ([attachment](#))
- G. Total CCWD Production Report ([attachment](#))
- H. CCWD Monthly Sales by Category Report ([attachment](#))
- I. December 2009 Leak Report ([attachment](#))
- J. Rainfall Reports ([attachment](#))
- K. 411 Chesterfield - Water Service Agreement ([attachment](#))

5) MEETINGS ATTENDED / DIRECTOR COMMENTS

6) GENERAL BUSINESS

- A. Fiscal Year 2009-2010 CIP Projects Update ([attachment](#))
- B. Mid-Year Financial Review ([attachment](#))
- C. Award of Contract - Denniston Filter Evaluation ([attachment](#))
- D. Approval of contract for SCADA Design ([attachment](#))
- E. Water Reclamation Update ([attachment](#))

- 7) **GENERAL MANAGER'S REPORT INCLUDING MONTHLY INFORMATIONAL REPORTS ([attachment](#))**
 - A. Water Resources Report ([attachment](#))
 - B. Water Shortage and Drought Contingency Plan Update ([attachment](#))
 - C. Operations Report ([attachment](#))

- 8) **DIRECTOR AGENDA ITEMS - REQUESTS FOR FUTURE BOARD MEETINGS**

- 9) **ADJOURNMENT**

<u>Check Number</u>	<u>Vendor No</u>	<u>Vendor Name</u>	<u>Check Date</u>	<u>Void Amount</u>	<u>Check Amount</u>
14076	ALL04	ALLIED WASTE SERVICES #925	12/11/2009	0.00	236.50
14077	ALV01	ALVES PETROLEUM, INC.	12/11/2009	0.00	1,721.46
14078	ASS01	HEALTH BENEFITS AUTHORITY (HBA	12/11/2009	0.00	18,828.81
14079	ATT01	AT&T MOBILTY	12/11/2009	0.00	93.67
14080	BFI02	BFI OF CALIFORNIA, INC.	12/11/2009	0.00	106.72
14081	BRE01	CATHLEEN BRENNAN	12/11/2009	0.00	20.00
14082	COA 15	COASTSIDE NET, INC	12/11/2009	0.00	59.95
14083	COW01	COWAN & THOMPSON CONSTRUCTION,	12/11/2009	0.00	1,575.10
14084	ESA01	ENVIRONMENTAL SCIENCE ASSOCIAT	12/11/2009	0.00	5,412.52
14085	FEL01	ROBERT FELDMAN	12/11/2009	0.00	245.60
14086	HAR03	HARTFORD LIFE INSURANCE CO.	12/11/2009	0.00	2,394.00
14087	KAI01	KAISER FOUNDATION HEALTH	12/11/2009	0.00	9,054.00
14088	LOM01	GLENNA LOMBARDI	12/11/2009	0.00	91.00
14089	PAC02	PACIFICA CREDIT UNION	12/11/2009	0.00	750.00
14090	PUB01	PUB. EMP. RETIRE SYSTEM	12/11/2009	0.00	17,624.56
14091	STA03	CA DPH DRINKING WATER PROGRAM	12/11/2009	0.00	90.00
14092	VAL01	VALIC	12/11/2009	0.00	1,320.00
14093	WHE01	VIRGINIA WHELEN	12/11/2009	0.00	935.00
14094	HAL07	HALF MOON BAY POSTMASTER	12/16/2009	0.00	5,000.00
14095	STA03	CA DPH DRINKING WATER PROGRAM	12/16/2009	0.00	70.00
14096	ADP01	ADP, INC.	12/29/2009	0.00	700.85
14097	AME09	AMERICAN WATER WORKS ASSOC.	12/29/2009	0.00	498.00
14098	AND01	ANDREINI BROS. INC.	12/29/2009	0.00	560.00
14099	ASS05	ACWA HEALTH BENEFITS AUTHORITY	12/29/2009	0.00	1,056.87
14100	ATT02	AT&T	12/29/2009	0.00	1,200.66
14101	ATT03	AT&T LONG DISTANCE	12/29/2009	0.00	56.16
14102	AZT01	AZTEC GARDENS	12/29/2009	0.00	190.00
14103	BAD01	BADGER METER, INC.	12/29/2009	0.00	989.00
14104	BAR03	BARTLE WELLS ASSOCIATES	12/29/2009	0.00	3,798.95
14105	BAS01	BASIC CHEMICAL SOLUTION, LLC	12/29/2009	0.00	4,246.78
14106	BAY07	BAY AREA WATER SUPPLY &	12/29/2009	0.00	2,397.05
14107	BAY10	BAY ALARM COMPANY	12/29/2009	0.00	736.11
14108	BIO01	BIOVIR LABORATORIES, INC.	12/29/2009	0.00	2,540.00
14109	CAL08	CALCON SYSTEMS, INC.	12/29/2009	0.00	6,161.97
14110	CAR02	CAROLYN STANFIELD	12/29/2009	0.00	485.00
14111	CIT01	CITY OF HALF MOON BAY	12/29/2009	0.00	4,450.00
14112	COA19	COASTSIDE COUNTY WATER DIST.	12/29/2009	0.00	77.02
14113	CRE01	CRESCO EQUIPMENT RENTALS	12/29/2009	0.00	2,765.56
14114	CSG01	CSG SYSTEMS, INC	12/29/2009	0.00	2,816.13
14115	CSI01	CSI SERVICES, INC.	12/29/2009	0.00	399.00
14116	CUM01	CUMMINS WEST, INC.	12/29/2009	0.00	17,591.51
14117	DEL06	DELUXE BUSINESS CHECKS	12/29/2009	0.00	60.11
14118	DEL08	DELTA DIABLO SANITATION DIST.	12/29/2009	0.00	8,000.00
14119	EWI01	EWING IRRIGATION PRODUCTS	12/29/2009	0.00	223.51
14120	FIR06	FIRST NATIONAL BANK	12/29/2009	0.00	1,413.30
14121	FIS01	FISHER SCIENTIFIC	12/29/2009	0.00	211.75
14122	FRI01	FRISCH ENGINEERING, INC	12/29/2009	0.00	1,327.50
14123	GAR07	GARDINI ELECTRIC CO., INC.	12/29/2009	0.00	619.34
14124	GEM01	GEMPLER'S, INC.	12/29/2009	0.00	222.27
14125	GIE01	DEAN GIEBELHAUSEN	12/29/2009	0.00	150.00
14126	GRA03	GRAINGER, INC.	12/29/2009	0.00	170.57
14127	GRI01	CRAIG GRIFFIN	12/29/2009	0.00	220.00
14128	HAC01	HACH CO., INC.	12/29/2009	0.00	1,726.35
14129	HAL01	HMB BLDG. & GARDEN INC.	12/29/2009	0.00	25.13
14130	HAL04	HALF MOON BAY REVIEW	12/29/2009	0.00	250.00
14131	HAL24	H.M.B.AUTO PARTS	12/29/2009	0.00	502.33
14132	HAN01	HANSONBRIDGETT. LLP	12/29/2009	0.00	6,474.00
14133	HAR03	HARTFORD LIFE INSURANCE CO.	12/29/2009	0.00	2,394.00
14134	IED01	IEDA, INC.	12/29/2009	0.00	1,000.00
14135	IRO01	IRON MOUNTAIN	12/29/2009	0.00	361.54
14136	IRV01	IRVINE CONSULTING SERVICES, IN	12/29/2009	0.00	1,880.00
14137	IRV02	IRVINE CONSULTING SERVICES, IN	12/29/2009	0.00	1,670.94

<u>Check Number</u>	<u>Vendor No</u>	<u>Vendor Name</u>	<u>Check Date</u>	<u>Void Amount</u>	<u>Check Amount</u>
14138	JAM01	JAMES FORD, INC.	12/29/2009	0.00	617.70
14139	JJA01	JJACPA, INC	12/29/2009	0.00	1,700.00
14140	JOH02	RICHARD JOHNSON	12/29/2009	0.00	450.00
14141	KEN03	KENNEDY/JENKS CONSULTANTS	12/29/2009	0.00	8,833.65
14142	LOM01	GLENNA LOMBARDI	12/29/2009	0.00	99.00
14143	MCT01	MCTV6	12/29/2009	0.00	475.00
14144	MET06	METLIFE SBC	12/29/2009	0.00	1,357.35
14145	MIS01	MISSION UNIFORM SERVICES INC.	12/29/2009	0.00	217.99
14146	MON10	OSVALDO MONTEIRO	12/29/2009	0.00	150.00
14147	OCE04	OCEAN SHORE CO.	12/29/2009	0.00	957.90
14148	OFF01	OFFICE DEPOT	12/29/2009	0.00	1,277.07
14149	OGR01	O'GRADY PAVING	12/29/2009	0.00	706.42
14150	ONT01	ONTRAC	12/29/2009	0.00	729.79
14151	PAC01	PACIFIC GAS & ELECTRIC CO.	12/29/2009	0.00	36,304.25
14152	PAC02	PACIFICA CREDIT UNION	12/29/2009	0.00	750.00
14153	PAR01	JOHN M. PARSONS	12/29/2009	0.00	4,562.50
14154	PIT04	PITNEY BOWES	12/29/2009	0.00	231.00
14155	POL01	POLLARDWATER.COM	12/29/2009	0.00	1,586.68
14156	PRI01	PRINCETON WELDING , INC.	12/29/2009	0.00	50.00
14157	PUB01	PUB. EMP. RETIRE SYSTEM	12/29/2009	0.00	17,651.82
14158	PUM01	PUMP REPAIR SERVICE CO. INC.	12/29/2009	0.00	1,800.00
14159	RIC01	RICOH AMERICAS CORPORATION	12/29/2009	0.00	813.05
14160	RIC04	RICE TRUCKING--SOIL FARM	12/29/2009	0.00	7.96
14161	ROB01	ROBERTS & BRUNE CO.	12/29/2009	0.00	8,010.85
14162	ROG01	ROGUE WEB WORKS, LLC	12/29/2009	0.00	300.00
14163	SAN03	SAN FRANCISCO WATER DEPT.	12/29/2009	0.00	106,372.70
14164	SAN05	SAN MATEO CTY PUBLIC HEALTH LA	12/29/2009	0.00	522.00
14165	SAN07	SM CTY ENVIRONMENTAL HEALTH	12/29/2009	0.00	1,226.00
14166	SER03	SERVICE PRESS	12/29/2009	0.00	1,729.22
14167	SEW01	SEWER AUTH. MID- COASTSIDE	12/29/2009	0.00	570.00
14168	SPE01	SPECIALIZE PIPELINE SERVICES	12/29/2009	0.00	733.17
14169	SPR01	SPRING MOUNTAIN GALLERY	12/29/2009	0.00	91.45
14170	STA15	STATE WATER RESOURCES CONTROL	12/29/2009	0.00	1,452.00
14171	STR02	STRAWFLOWER ELECTRONICS	12/29/2009	0.00	162.41
14172	TEA02	TEAMSTERS LOCAL UNION #856	12/29/2009	0.00	755.00
14173	UB*00713	MICHAEL E. WILLIAMS	VOID 12/29/2009	18.21	0.00
14174	UB*00714	ROSEMARY/KEVIN KING	12/29/2009	0.00	81.78
14175	UB*00715	KIMBERLY SNYDER	12/29/2009	0.00	51.18
14176	UB*00716	NEW LIGHT REALTY	12/29/2009	0.00	43.32
14177	UB*00717	G.BIESUZ/R.RACAL	12/29/2009	0.00	48.95
14178	UB*00718	LUIS SALIS	12/29/2009	0.00	59.28
14179	UB*00719	CAROL SHEDRICK	12/29/2009	0.00	35.11
14180	UB*00720	DANIEL KENDALL	12/29/2009	0.00	75.00
14181	VAL01	VALIC	12/29/2009	0.00	1,320.00
14182	VER02	VERIZON WIRELESS	12/29/2009	0.00	478.09
14183	VET01	GABRIELLA VETRONE	12/29/2009	0.00	310.13
14184	WES11	WEST COAST AGGREGATES, INC.	12/29/2009	0.00	471.96
14185	WHE01	VIRGINIA WHELEN	12/29/2009	0.00	195.00
14186	WIL02	WILKINSON ENTERPRISES, INC	12/29/2009	0.00	701.07
14187	WIL03	ROBERT WILLIAMS	12/29/2009	0.00	450.00
14188	COU05	RECORDER'S OFFICE	12/29/2009	0.00	24.00
14189	COU05	RECORDER'S OFFICE	12/29/2009	0.00	24.00
14190	COU05	RECORDER'S OFFICE	12/29/2009	0.00	24.00
14191	COU05	RECORDER'S OFFICE	12/29/2009	0.00	24.00

Report Total: 18.21 355,918.95

COASTSIDE COUNTY WATER DISTRICT - PERIOD BUDGET ANALYSIS
31-Dec-09

ACCOUNT	DESCRIPTION	CURRENT ACTUAL	CURRENT BUDGET	B/(W) VARIANCE	B/(W) % VAR	YTD ACTUAL	YTD BUDGET	B/(W) VARIANCE	B/(W) % VAR
REVENUE									
1-0-4120-00	Water Revenue -All Areas	377,674	363,930	13,744	3.8%	3,132,678	3,213,659	(80,981)	(2.5%)
1-0-4170-00	Water Taken From Hydrants	2,206	2,083	123	5.9%	10,203	12,500	(2,297)	(18.4%)
1-0-4180-00	Late Notice -10% Penalty	2,688	4,167	(1,479)	(35.5%)	26,773	25,000	1,773	7.1%
1-0-4230-00	Service Connections	145	225,667	(225,521)	(99.9%)	3,166	229,000	(225,834)	(98.6%)
1-0-4235-00	CSP Connection T & S Fees	0	0	0	0.0%	3,485	0	3,485	0.0%
1-0-4920-00	Interest Earned	0	0	0	0.0%	15,806	32,775	(16,968)	(51.8%)
1-0-4925-00	Interest Revenue T&S Fees	0	0	0	0.0%	0	0	0	0.0%
1-0-4927-00	Inerest Revenue Bond Funds	0	0	0	0.0%	0	0	0	0.0%
1-0-4930-00	Tax Apportionments/Cnty Checks	249,547	100,000	149,547	0.0%	344,142	150,000	194,142	0.0%
1-0-4950-00	Miscellaneous Income	2,172	3,083	(911)	(29.5%)	13,812	18,500	(4,688)	(25.3%)
1-0-4955-00	Cell Site Lease Income	9,276	6,850	2,426	35.4%	52,222	41,100	11,122	27.1%
1-0-4960-00	CSP Assm. Dist. Processing Fee	0	0	0	0.0%	0	0	0	0.0%
1-0-4965-00	ERAF REFUND -County Taxes	0	100,000	(100,000)	0.0%	0	100,000	(100,000)	0.0%
1-0-4970-00	Wavecrest Reserve Conn. Fees	0	0	0	0.0%	0	0	0	0.0%
REVENUE TOTALS		643,710	805,780	(162,070.21)	(20.1%)	3,602,286	3,822,533	(220,247)	(5.8%)
EXPENSES									
1-1-5130-00	Water Purchased	106,373	92,582	(13,791)	(14.9%)	904,988	887,142	(17,846)	(2.0%)
1-1-5230-00	Pump Exp, Nunes T P	1,881	1,583	(298)	(18.8%)	8,781	9,500	719	7.6%
1-1-5231-00	Pump Exp, CSP Pump Station	30,725	20,182	(10,543)	(52.2%)	196,863	199,588	2,725	1.4%
1-1-5232-00	Pump Exp, Trans. & Dist.	1,062	1,168	106	9.0%	6,374	11,215	4,841	43.2%
1-1-5233-00	Pump Exp, Pilarcitos Can.	793	1,631	838	51.4%	1,426	2,231	805	36.1%
1-1-5234-00	Pump Exp. Denniston Proj.	1,132	140	(992)	(708.8%)	3,552	20,867	17,315	83.0%
1-1-5235-00	Denniston T.P. Operations	794	0	(794)	#DIV/0!	4,048	11,787	7,739	65.7%
1-1-5236-00	Denniston T.P. Maintenance	4,646	8,000	3,354	41.9%	8,697	18,555	9,858	53.1%
1-1-5240-00	Nunes T P Operations	4,381	4,054	(327)	(8.1%)	41,661	34,933	(6,728)	(19.3%)
1-1-5241-00	Nunes T P Maintenance	5,822	3,165	(2,657)	(83.9%)	35,284	18,996	(16,288)	(85.7%)
1-1-5242-00	CSP Pump Station Operations	590	708	118	16.7%	3,830	4,248	418	9.8%
1-1-5243-00	CSP Pump Station Maintenance	482	2,313	1,831	79.2%	12,442	13,878	1,436	10.3%
1-1-5250-00	Laboratory Services	3,811	6,250	2,439	0.0%	20,309	37,500	17,191	0.0%
1-1-5318-00	Studies/Surveys/Consulting	3,799	1,879	(1,920)	(102.2%)	27,344	11,272	(16,072)	(142.6%)
1-1-5321-00	Water Conservation	3,781	5,054	1,273	25.2%	27,472	30,325	2,853	9.4%
1-1-5322-00	Community Outreach	2,419	2,392	(27)	(1.1%)	6,262	14,350	8,088	56.4%
1-1-5411-00	Salaries & Wages -Field	71,060	69,821	(1,239)	(1.8%)	444,338	453,837	9,499	2.1%
1-1-5412-00	Maintenance -General	9,178	11,708	2,530	21.6%	68,801	99,248	30,447	30.7%

ACCOUNT	DESCRIPTION	CURRENT ACTUAL	CURRENT BUDGET	B/(W) VARIANCE	B/(W) % VAR	YTD ACTUAL	YTD BUDGET	B/(W) VARIANCE	B/(W) % VAR
1-1-5414-00	Motor Vehicle Expense	3,493	3,958	465	11.7%	24,461	23,750	(711)	(3.0%)
1-1-5415-00	Maintenance -Well Fields	2,453	1,250	(1,203)	(96.2%)	2,713	7,500	4,787	63.8%
1-1-5610-00	Salaries/Wages-Administration	47,178	49,739	2,561	5.1%	301,732	323,304	21,571	6.7%
1-1-5620-00	Office Supplies & Expense	13,065	10,929	(2,136)	(19.5%)	51,593	65,575	13,982	21.3%
1-1-5621-00	Computer Services	3,966	3,987	21	0.5%	27,709	23,925	(3,784)	(15.8%)
1-1-5625-00	Meetings / Training / Seminars	1,627	1,667	40	2.4%	11,062	10,000	(1,062)	(10.6%)
1-1-5630-00	Insurance	34,757	31,319	(3,438)	(11.0%)	257,124	267,915	10,792	4.0%
1-1-5640-00	Employees Retirement Plan	34,201	34,442	242	0.7%	202,754	223,875	21,121	9.4%
1-1-5645-00	SIP 401K Plan	0	1,667	1,667	100.0%	0	10,000	10,000	100.0%
1-1-5681-00	Legal	4,940	4,333	(607)	(14.0%)	23,796	26,000	2,204	8.5%
1-1-5682-00	Engineering	0	1,250	1,250	100.0%	6,355	7,500	1,145	15.3%
1-1-5683-00	Financial Services	6,263	2,583	(3,679)	(142.4%)	19,863	15,500	(4,363)	(28.1%)
1-1-5684-00	Payroll Tax Expense	6,919	8,627	1,708	19.8%	51,191	56,073	4,882	8.7%
1-1-5687-00	Membership, Dues, Subscript.	723	1,735	1,012	58.3%	24,840	31,907	7,067	22.1%
1-1-5688-00	Election Expenses	0	0	0	0.0%	0	0	0	0.0%
1-1-5689-00	Labor Relations	1,000	1,000	0	0.0%	6,000	6,000	0	0.0%
1-1-5700-00	San Mateo County Fees	1,226	7,000	5,774	0.0%	7,531	10,800	3,269	0.0%
1-1-5705-00	State Fees	1,452	1,000	(452)	0.0%	8,669	9,500	831	0.0%
1-1-5711-00	Debt Srvc/Existing Bonds 1998A	0	0	0	0.0%	245,610	245,610	0	0.0%
1-1-5712-00	Debt Srvc/Existing Bonds 2006B	0	0	0	0.0%	334,163	332,286	(1,877)	0.0%
1-1-5713-00	Contribution to CIP & Reserves	43,121	43,121	0	0.0%	258,728	258,728	0	0.0%
1-1-5745-00	CSP Connect. Reserve Contribu.	0	0	0	0.0%	3,485	0	(3,485)	0.0%
1-1-5746-00	Wavecrest CSP Connt. Reserve	0	0	0	0.0%	0	0	0	0.0%
EXPENSE TOTALS		459,112	442,237	(16,875)	(3.8%)	3,691,849	3,835,220	143,371	3.7%
NET INCOME		184,598	363,543	(178,945)		(89,563)	(12,687)	-76,876	

COASTSIDE COUNTY WATER DISTRICT

INVESTMENT REPORT

December 31, 2009

		<i>Restricted</i>	<i>Restricted</i>	<i>Restricted for CSP CIP Projects</i>		
	CASH FLOW & OPERATING RESERVE	EMERGENCY RESERVES	CAPITAL EXPENDITURES	DISTRICT CSP CONTRIBUTION	CSP T&S FEES	TOTAL
DISTRICT BALANCES						
<u>CASH IN FNB</u>						
OPERATING ACCOUNT			\$783,332.18			\$783,332.18
CSP T&S ACCOUNT					\$26,389.14	\$26,389.14
TOTAL FIRST NATIONAL BANK	\$0.00	\$0.00	\$783,332.18	\$0.00	\$26,389.14	\$809,721.32
CASH WITH L.A.I.F	\$297,900.00	\$1,740,663.00	\$599,195.16	\$0.00	\$20,836.72	\$2,658,594.88
UNION BANK - Project Fund Balance			\$1,445,091.96			\$1,445,091.96
CASH ON HAND	\$1,930.00					\$1,930.00
TOTAL DISTRICT CASH BALANCES	\$299,830.00	\$1,740,663.00	\$2,827,619.30	\$0.00	\$47,225.86	\$4,915,338.16
ASSESSMENT DISTRICT BALANCES						
<u>CASH IN FIRST NATIONAL BANK (FNB)</u>						
REDEMPTION ACCOUNT		\$ 87,301.82				
RESERVE ACCOUNT (Closed Account 8-4-04)		\$ -				
TOTAL ASSESSMENT DISTRICT CASH		\$ 87,301.82				
<i>This report is in conformity with CCWD's Investment Policy and there are sufficient funds to meet CCWD's expenditure requirements for the next three months.</i>						

**COASTSIDE COUNTY WATER DISTRICT
APPROVED CAPITAL IMPROVEMENT PROJECTS
FISCAL YEAR 2009-2010**

31-Dec-09

Acct No.	Approved CIP Budget FY 09/10	Actual To Date FY 09/10	% Completed
----------	------------------------------------	-------------------------------	----------------

PIPELINE PROJECTS

Main Street/Hwy 92 Widening Project	1120-93	\$ 20,000		0.0%
-------------------------------------	---------	-----------	--	------

WATER TREATMENT PLANTS

Denniston Intake Maintenance	1120-03	\$ 80,000	\$ 89,820	112.3%
Denniston WTP - Intake Construction		\$ 100,000		
Nunes - Floc Drive Repair		\$ 50,000		
Nunes Filter Media Replacement	1121-25	\$ 50,000	\$ 15,921	31.8%

FACILITIES & MAINTENANCE

District Space Planning		\$ 25,000		
AMR Program	1121-41	\$ 400,000		0.0%
PRV Valves Replacement Project	1121-43	\$ 20,000	\$ 20,639	103.2%
Meter Change Program	1117-06	\$ 18,000	\$ 30,100	167.2%
Fire Hydrant Replacement	1121-49	\$ 40,000		0.0%
Pilarcitos Culvert Repair	1121-48	\$ 200,000	\$ 105,771	52.9%

EQUIPMENT PURCHASE & REPLACEMENT

Vehicle Replacement	1118-04	\$ 28,000		0.0%
Computer System	1118-02	\$ 5,000	\$ 1,187	23.7%
Office Equipment/Furniture	1118-02	\$ 3,000		0.0%
SCADA/Telemetry/electrical controls	1120-82	\$ 250,000	\$ 6,302	2.5%

PUMP STATIONS / TANKS / WELLS

Alves Tank Recoating (Interior/Exterior)	1121-08	\$ 300,000		0.0%
Cahill Tank Ladder Replacement		\$ 15,000		0.0%
Crystal Springs Check Valve Repair/Replacement		\$ 100,000		0.0%
Crystal Springs Re-roof and Paint		\$ 50,000		0.0%
Crystal Springs Soft Starts 1 & 3	1118-12	\$ 25,000	\$ 156	0.6%
EG Tank #1 Pump Station Pump Replacement		\$ 23,000		0.0%
EG Tank #1 Security Fence		\$ 20,000		0.0%

COASTSIDE COUNTY WATER DISTRICT
 APPROVED CAPITAL IMPROVEMENT PROJECTS
 FISCAL YEAR 2009-2010

31-Dec-09

	Acct No.	Approved CIP Budget FY 09/10	Actual To Date FY 09/10	% Completed
Hazen's Tank Fence Upgrade		\$ 10,000		0.0%
Miramar Tank Interior Recoating/Mixing	1121-51	\$ 230,000	\$ 90,210	39.2%
New Pilarcitos Well		\$ 25,000		0.0%
Pilarcitos Canyon Blending Station	1121-53	\$ 100,000	\$ 13,641	13.6%
Well Rehabilitation	1121-38	\$ 40,000	\$ 27,111	67.8%

NUNES/ DENNISTON WTP PRIORITY (SHORT-TERM) IMPROVEMENTS

Nunes / Denniston Short Term WTP Modifications	1121-21	\$ 600,000	\$ 21,547	3.6%
--	---------	------------	-----------	------

DENNISTON WTP (LONG-TERM) IMPROVEMENTS (MEMBRANE FILTRATION)

Denniston Pre/Post Treatment Design	1127-04	\$ 350,000	\$ 38,653	11.0%
-------------------------------------	---------	------------	-----------	-------

NUNES WTP (LONG-TERM) IMPROVEMENTS (UV DISINFECTION)

Modify Filters for Rate of Flow Control		\$ 10,000		0.0%
---	--	-----------	--	------

WATER SUPPLY DEVELOPMENT

Reclamation Project Planning	1127-00	\$ 100,000	\$ 25,593	25.6%
Water Supply Alternatives Evaluation		\$ 50,000		0.0%

TOTALS		\$ 3,337,000	\$ 486,651	14.6%
---------------	--	---------------------	-------------------	--------------

FY 08/09 CIP Projects - paid in FY 09/10

Office Equipment - Furniture	1118-02	\$ 7,566
Denniston Storage Tank Modification Project	1121-40	\$ 54,569
Nunes (was Denniston) Cl2/ph Analyzer	1118-10	\$ 7,421
Skylights	1118-01	\$ 11,286
El Granada Pipeline P3	1128-03	\$ 14,990

**COASTSIDE COUNTY WATER DISTRICT
 APPROVED CAPITAL IMPROVEMENT PROJECTS
 FISCAL YEAR 2009-2010**

31-Dec-09

Acct No.	Approved CIP Budget FY 09/10	Actual To Date FY 09/10	% Completed
----------	------------------------------------	-------------------------------	----------------

NON-BUDGETED ITEMS (CAPITAL EXPEDITURES) FOR CURRENT FISCAL YEAR 09/10

Nunes - Generator Radiator	1121-54	\$	17,774
Installation of Base Stations (3) & Replacment at Dist. Offi	1118-13	\$	9,529

**Legal Cost Tracking Report
12 Months At-A-Glance**

**Acct. No.5681
Patrick Miyaki - HansonBridgett, LLP
Legal**

Month	Admin (General Legal Fees)	Recycle Water Analysis	Transfer Program	CIP	Personnel	Lawsuits	Infrastructure Project Review (Reimbursable)	TOTAL
--------------	---	---------------------------------------	-----------------------------	------------	------------------	-----------------	--	--------------

Jan-09	1,354		1,508	2,193				5,055
Feb-09	2,651			494			3,978	7,123
Mar-09	4,212	494		113			3,134	7,953
Apr-09	3,588	7,670	754	1,222			104	13,338
May-09	3,210	1,300		3,000			442	7,952
Jun-09	7,454	2,002	182	52				9,690
Jul-09	15,556	3,250	1,222	364			234	20,626
Aug-09	4,661	2,574	312	312			1,084	8,943
Sep-09	4,389		130	130			1,872	6,521
Oct-09	4,196		234	1,300				5,730
Nov-09	6,156		234	598			676	7,664
Dec-09	4,940		598	26			910	6,474

TOTAL	62,367	17,290	5,174	9,803	0	0	12,434	107,068
--------------	---------------	---------------	--------------	--------------	----------	----------	---------------	----------------

**Engineer Cost Tracking Report
12 Months At-A-Glance**

**Acct. No. 5682
JAMES TETER
Engineer**

Month	Admin & Retainer	Phase 3 EG Pipeline	CIP	Short Term WTP Imprv.	Studies & Projects	TOTAL	Reimbursable from Projects
Jan-09	2,825		566	2,372	5,022	10,784	5,022
Feb-09	2,529			14,082	1,501	18,112	1,501
Mar-09	1,071		825	9,703	1,369	12,967	1,369
Apr-09	561		161	7,744	3,357	11,822	3,357
May-09	1,526		2,774	1,940	5,915	12,154	5,915
Jun-09	480	322	2,496		7,420	10,718	7,420
Jul-09	1,379			6,010	2,490	9,879	2,490
Aug-09	1,642			5,459	1,660	8,761	1,660
Sep-09	1,507			4,946	4,111	10,564	4,111
Oct-09	480				2,140	2,620	2,140
Nov-09	1,347			701	1,841	3,889	1,841
Dec-09						0	
TOTAL	15,346	322	6,821	52,956	36,826	112,271	36,826

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MINUTES OF THE SPECIAL BOARD OF DIRECTORS MEETING

Tuesday, December 8, 2009

- 1) **ROLL CALL** - The meeting convened at 5:46 p.m. Present at roll call: President Mickelsen, Vice-President Feldman, and Director Ken Coverdell. Also present: David Dickson, General Manager, Patrick Miyaki, Legal Counsel, and JoAnne Whelen, Administrative Assistant/Recording Secretary. Director Larimer arrived at 5:49 p.m.
- 2) **PUBLIC ANNOUNCEMENTS** - There were no public announcements.
- 3) **SPECIAL ORDER OF BUSINESS**
 - A. Administration of Oath of Office to Newly Elected Directors

District Legal Counsel, Patrick Miyaki, administered the Oath of Office to Directors Mickelsen and Donovan.

Half Moon Bay City Council Representatives Mayor Marina Fraser, Naomi Patridge, and John Muller were in attendance and each congratulated the newly elected Directors.
- 4) **CLOSED SESSION**
Pursuant to California Government Code Section §54956.9(b)
Conference with Legal Counsel - Anticipated Litigation
Significant Exposure to Litigation: One Case

The Closed Session convened at 5:50 p.m., and was attended only by the Board of Directors, Mr. Dickson and Mr. Miyaki.
- 5) **RECONVENE TO OPEN SESSION** - The Closed Session concluded at approximately 7:00 p.m., immediately prior to commencement of the regular meeting, at which time President Mickelsen announced that no reportable action was taken during the closed session.

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MINUTES OF THE BOARD OF DIRECTORS MEETING

Tuesday, December 8, 2009

- 1) **ROLL CALL:** President Mickelsen called the meeting to order at 7:02 p.m. Present at roll call: Vice-President Feldman, and Directors Ken Coverdell, Jim Larimer and Jerry Donovan.

Also present were: David Dickson, General Manager; Patrick Miyaki, Legal Counsel; Joe Guistino, Superintendent of Operations; Cathleen Brennan, Public Outreach/Program Development /Water Resources Analyst; JoAnne Whelen, Administrative Assistant/Recording Secretary; and Gina Brazil, Office Manager.

- 2) **PLEDGE OF ALLEGIANCE**
- 3) **PUBLIC ANNOUNCEMENTS:** There were no public announcements.
- 4) **SPECIAL ORDER OF BUSINESS**

Election of CCWD Board President and Vice-President

President Mickelsen opened the nomination period, at which time Director Coverdell nominated Director Mickelsen to serve as Board President, which was seconded by Vice-President Feldman. Director Larimer then nominated Director Feldman for the role as President of the Board.

Vice-President Feldman stated that he appreciated the nomination but chose to decline at this time.

Director Larimer then nominated Director Coverdell to serve as Board President, which was seconded by Director Donovan, at which point President Mickelsen closed the nomination period.

Director Coverdell noted several factors why he felt it would be beneficial for Director Mickelsen to continue serving as President for the next year, with Director Feldman continuing to serve as Vice-President. He stated that he was honored to be nominated, and he had served twice as Board President previously, but advised that he wished to focus his attention on his business over the next year, which would make it difficult to devote the time necessary to do a quality job as the Board's President. He requested that his name be removed from the nominations, and Director Larimer did so.

Director Coverdell moved that Director Mickelsen's nomination for President and Director Feldman's nomination for Vice-President be by acclamation, which was approved unanimously by the Board.

5) CONSENT CALENDAR

- A. Requesting the Board to review disbursements for the month Ending November 30, 2009 - Claims: \$394,404.22; Payroll: \$72,198.44 for a total of \$466,602.66
- B. Acceptance of Financial Reports
- C. Minutes of the November 10, 2009 Board of Directors Meeting
- D. Installed Water Connection Capacity and Water Meters Report
- E. Total CCWD Production Report
- F. CCWD Monthly Sales by Category Report
- G. November 2009 Leak Report
- H. Rainfall Reports
- I. San Francisco Public Utilities Commission Hydrological Conditions Report for November 2009
- J. Notice of Completion - Pilarcitos Culvert Replacement Project

President Mickelsen reported that he had reviewed the monthly financial claims and found all to be in order.

ON MOTION by Director Larimer and seconded by Vice-President Feldman, the Board voted as follows, by roll call vote, to accept the Consent Calendar in its entirety:

Director Coverdell	Aye
Vice-President Feldman	Aye
Director Larimer	Aye
Director Donovan	Aye
President Mickelsen	Aye

6) MEETINGS ATTENDED / DIRECTOR COMMENTS

Director Coverdell reported that he had attended the Bay Area Water Supply and Conservation Agency (BAWSCA) meeting and provided an update on the successful progress of the Hetch Hetchy retrofitting project.

Vice-President Feldman shared highlights of the recent Association of California Water Agencies (ACWA) Fall Conference he attended in San Diego, CA.

7) GENERAL BUSINESS

A. CCWD Basic Financial Statements and Independent Auditors Report for the Year Ended June 30, 2009

Mr. Dickson advised that in June 2009, the Board approved retaining the services of Joseph Arch, CPA, as the District's Independent Auditor, and that he had recently completed the audit. He then introduced Mr. Joseph Arch.

Mr. Arch reported that the financial statements fairly represent the financial position of the District and that no exceptions or concerns were noted. He informed the Board that the opinion of the financial statements was considered an "unqualified" opinion, which is the best possible rating from an auditor.

President Mickelsen moved that the Board accept the Basic Financial Statements, which was approved unanimously by acclamation.

B. Fiscal Year 2008-2009 Year End Budget Review

Mr. Dickson reviewed details of the revenue and operating expenses associated with the fiscal year 2008-2009 year-end budget analysis. There were no questions from the Board.

C. Proposed Increase in Transmission and Storage Fees:

Mr. Dickson provided the background of this agenda item, explaining that the District has not had an increase in Transmission and Storage (T & S) fees since 1987. He referenced the report prepared by Bartle Wells Associates, which recommended that the District adjust the T & S fees for inflation in accordance with the Engineering News-Record 20-City Average Construction Cost Index (ENR CCI), which would adjust the T & S fee for a 5/8" connection from \$6,970.00 to \$13,592.00. He further explained the process, which includes issuance of a notice of proposed increase in the District's T & S fees and the scheduling of a public hearing to be conducted at the Board's regular meeting on February 9, 2010, with the proposed increase in fees going into effect on April 15, 2010.

ON MOTION by Director Coverdell and seconded by Vice-President Feldman, the Board voted as follows, by roll call vote, to authorize the issuance of a notice of proposed increases in the District's Transmission and Storage fees and to schedule a public hearing on the proposed increases to be held at the Board's regular meeting on February 9, 2010:

Director Coverdell	Aye
Vice-President Feldman	Aye
Director Larimer	Aye
Director Donovan	Aye
President Mickelsen	Aye

D. Appointment of CCWD Board Member Representatives and Alternate(s) to participate in San Mateo County Local Agency Formation Commission (LAFCo) Election of Officers

Mr. Dickson reviewed the background of this matter, informing the Board that LAFCo recommends that standing voting representatives be designated in case a special district selection committee is called due to a vacancy, and the District's presiding officer is not able to attend the meeting.

Director Larimer stressed the importance of participating in meetings of the local California Special Districts Association chapter and encouraged all Directors to attend when possible.

ON MOTION by Director Coverdell and seconded by Director Donovan, the Board voted as follows, by roll call vote, to designate President Mickelsen as the District's voting representative to participate in the San Mateo County Local Agency Formation Commission election of officers, followed by the designation of Directors Feldman, Coverdell, Larimer, and Donovan to serve as alternates.

Director Coverdell	Aye
Vice-President Feldman	Aye
Director Larimer	Aye
Director Donovan	Aye
President Mickelsen	Aye

E. **Appointment of CCWD Board Member Representative and an alternate to serve on the Board of Directors of the Association of California Water Agencies Joint Powers Insurance Authority (ACWA/JPIA)**

Mr. Dickson advised the Board that it is also necessary to appoint a CCWD Board Member and an alternate to serve as the District's representative to the ACWA/JPIA:

ON MOTION by President Mickelsen and seconded by Director Coverdell, the Board voted as follows, by roll call vote, to designate Vice-President Feldman as the District's representative to serve the ACWA/JPIA.

Director Coverdell	Aye
Vice-President Feldman	Aye
Director Larimer	Aye
Director Donovan	Aye
President Mickelsen	Aye

ON MOTION by Director Coverdell and seconded by President Mickelsen, the Board voted as follows, by roll call vote, to designate Director Donovan to serve as the District's alternate to ACWA/JPIA.

F. **Coastside County Water District Advisory Committees**

President Mickelsen advised that Director Ascher's departure from the Board had created vacancies in several of the District Advisory Committees and that he would be filling the positions. He stated that he felt the vacancy on the District's Finance Committee would best be filled by Director Feldman. President Mickelsen then assigned Director Donovan to fill the vacancy on the CCWD/Montara Water and Sanitary District Mutual Interest Committee and stated that he would be serving on the Human Resources Committee.

G. **Water Reclamation Update**

Mr. Dickson stated that he has been involved in working on two recent items developed in cooperation with the Sewer Authority Mid-Coastside

(SAM) staff. He reported that the first consisted of an outline of proposed principles for a CCWD/SAM agreement on recycled water, which he reviewed in detail with the Board. Mr. Dickson explained that, subject to the Board's review and input, the next step in developing a CCWD/SAM agreement would be for the staff of both agencies to work with their respective legal counsel to draft a more detailed set of principles with consideration by both boards.

Board discussion ensued, with Mr. Dickson addressing the Board's questions and concerns regarding the proposed agreement. The Board supported ongoing efforts from the staff of both agencies to continue to work together in further refining the principles of the agreement.

Mr. Dickson introduced the second concept, which proposed that both CCWD and SAM jointly hire a project manager, independent of either agency, whose activities both agencies would jointly direct, and whose costs would be shared. He outlined the tasks and process involved, that could potentially result in retaining a water recycling project manager. The Board discussed the concept and in addressing their questions, Mr. Dickson elaborated that he would be working together with SAM's General Manager, Mr. Foley, to define the scope for the project manager role, which would largely focus on items that need to be coordinated between the two agencies, including the definition of the project, the environmental process, the permitting process, and the project funding. The Board also supported further development of the concept of the recycled water project management services.

8) **GENERAL MANAGER'S REPORT INCLUDING MONTHLY INFORMATIONAL REPORTS**

- A. **Monthly Water Resources Report**
- B. **Water Shortage and Drought Contingency Plan Update**
- C. **Operations Report**

Mr. Dickson referenced his staff report, noting that for this month's report, he would be highlighting recent important District activities, including presentations on a planned unidirectional flushing program by Superintendent of Operations Joe Guistino, and on current water conservation programs by Cathleen Brennan, Water Resources Analyst.

Mr. Guistino provided a power point presentation on the unidirectional flushing program that he designed to achieve the routine flushing of

sediment out of the District's transmission system. Following the presentation, he answered questions from Board members.

Cathleen Brennan then provided an in-depth presentation on current water conservation activities, including Water Conservation Senate Bill 7 (the "20% by 2020" law) and the Bay Area Water Supply and Conservation Agency's (BAWSCA) proposed Water Conservation Implementation Plan (WCIP). Her presentation outlined key challenges, including a limited water supply, projected increase in water demands, and new regulations and agreements. She discussed development of a District water conservation plan that will meet the requirements of Senate Bill 7 and the requirements of the Memorandum of Understanding for the California Urban Water Conservation Council (CUWCC), as well as meeting the measures listed in the BAWSCA's Water Conservation Implementation Plan. Following her presentation, Ms. Brennan addressed questions from the Board.

9) DIRECTOR AGENDA ITEMS - REQUESTS FOR FUTURE BOARD MEETINGS

There were no Director comments.

10) ADJOURNMENT

The meeting was adjourned at 9:21 p.m. The next regular meeting of the Coastside County Water District's Board of Directors is scheduled for Tuesday, January 12, 2010.

Respectfully submitted,

David R. Dickson, General Manager
Secretary of the Board

Chris R. Mickelsen, President
Board of Directors
Coastside County Water District

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MINUTES OF THE SPECIAL BOARD OF DIRECTORS MEETING

Tuesday, December 15, 2009

- 1) **ROLL CALL** - President Mickelsen called the meeting to order at 2:02 p.m. Present at roll call: Vice-President Feldman, Director Coverdell, Director Larimer, and Director Donovan. Also present: David Dickson, General Manager, Cathleen Brennan, Water Resources Analyst, and JoAnne Whelen, Administrative Assistant/Recording Secretary
- 2) **PLEDGE OF ALLEGIANCE**
- 3) **PUBLIC ANNOUNCEMENTS:** There were no public announcements.
- 4) **GENERAL BUSINESS**

A. Discussion of Connection Sale Survey

Mr. Dickson reviewed the Board's action at the December 8, 2009 Board of Directors meeting approving a public hearing for a proposed increase to the District's Transmission and Storage fees. He noted that pursuant to that action, staff had issued a public notice of the proposed increase and of the public hearing scheduled for February 9, 2010. Mr. Dickson also advised that the Board had supported staff's recommendation to conduct a survey to determine the level of interest in purchasing water service connections and presented the draft survey that staff had prepared for the Board's review and approval.

Mr. Dickson stated that the survey includes the general concepts for the sale and purchase of connections, and that these concepts implement some of the items previously discussed by the Board. He stressed that the main concept is that these water connections will not be available for speculation but will be restricted to customers who can connect to the system within a time period of thirty-six months. He reviewed additional proposed terms and conditions, including the proposed purchase price of \$13,592.00.

Prior to opening the matter up for discussion by the Board, Mr. Dickson advised that upon the Board's approval of the concepts and survey, staff would proceed with a direct mailing to all assessor parcel owners within the District's boundaries, advertise in the Half Moon Bay Review, and include a link on the District's website.

The Board discussed various aspects of the survey concepts. Mr. Patrick Miyaki, District Legal Counsel, participated in the discussion via telephone and addressed the Board's questions and concerns about the survey and the general concepts for establishing a policy for the sale of these water service connections. The Board's discussion resulted in the elimination of the last bullet point on the draft survey, referencing that the purchaser may return connection(s) to the District for a refund of the purchase price less the administrative fee.

Upon conclusion of the discussion of the connection sale survey, President Mickelsen acknowledged the following member of the public.

Paul Perkovic, Montara - Congratulated Director Donovan on being elected to the CCWD Board. He also stated that he was pleased to see that the CCWD Board had adopted an increase in the connection fees. Additionally, he referenced San Mateo County Resolution 53059, which established a policy on individual wells and specified conditions of approval stipulating that it is required to connect to a public water supply when available. He thanked the Board for the opportunity to present these suggestions.

ON MOTION by Director Larimer and seconded by President Mickelsen, the Board voted as follows, by roll call vote, to authorize staff to proceed with distributing the survey to determine the level of customer interest in purchasing these non-priority water service connections.

Director Coverdell	Aye
Vice-President Feldman	Aye
Director Larimer	Aye
Director Donovan	Aye
President Mickelsen	Aye

5) ADJOURNMENT

The meeting was adjourned at 2:58 p.m.

Respectfully submitted,

David R. Dickson, General Manager
Secretary of the Board

Chris R. Mickelsen, President
Board of Directors
Coastside County Water District

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: January 12, 2010

Report

Date: December 31, 2009

Subject: Monthly Water Transfer Report

Recommendation:

None. For Board information purposes only.

Background:

At the December 10, 2002 Board meeting and November 18, 2003 Special Board meeting, the Board made several changes to the District's water transfer policy. One of the changes directed the General Manager to approve routine water transfer applications that met the District's criteria as embodied in Resolution 2002-17 and Resolution 2003-19. The General Manager was also directed to report the number of water transfers approved each month as part of the monthly Board packet information.

Since the previous Board meeting in November 2009, four transfer applications were approved for 6.5----5/8" (20 gpm) non-priority water service connections. A spreadsheet reporting the transfers for the month of December 2009 follows this report as well as the approvals from Patrick Miyaki and the confirmation letters from David Dickson.

APPROVED WATER TRANSFERS FOR THE 2009 CALENDAR YEAR

DONATING APN	RECIPIENT APN	PROPERTY OWNERS	# OF CONNECTIONS	DATE
056-310-020	056-135-250	Gill-Vista Enterprises to Butler	1---3/4" non-priority	Dec-09
056-310-020	047-104-120	Gill-Vista Enterprises to Conran	1---3/4" non-priority	Dec-09
056-310-020	047-231-070	Gill-Vista Enterprises to McCaffrey	1----1" non-priority	Dec-09
056-310-020	048-062-060	Gill-Vista Enterprises to McGregor	1---5/8" non-priority	Dec-09

Memorandum

VIA ELECTRONIC MAIL

TO: Glenna Lombardi
FROM: Patrick T. Miyaki
DATE: December 23, 2009
RE: **Application to Transfer Uninstalled Non-Priority Water Service Connections**

Glenna, I reviewed the four Applications to transfer uninstalled non-priority water service connections from Gill-Vista Enterprises, a California General Partnership, (APN 056-301-020) to the following four transferees:

1. Thomas and Lisa McCaffrey (APN 047-231-070).
2. Gary Lee Butler (APN 056-133-250).
3. Stephen and Lara Lee Conran (APN 047-104-120).
4. Paul McGregor (APN 048-062-060).

These Applications involved a unique issue - the Gill-Vista property has been declared tax defaulted and therefore the County has a recorded security interest against the property. To address this issue, the seller and buyers agreed to open an escrow with Chicago Title Company. Among other things, the escrow agreement requires Chicago Title Company to disburse funds from the escrow to pay all past due property taxes and that disbursement is a condition precedent to the transfer of the water service connections to the buyers. Therefore, the recorded security interest on the property will be paid through the escrow and the security interest will be removed. I have received fully executed copies of the escrow agreement that contractually requires Chicago Title to make the payment to the County Tax Collector.

The Applications are generally in order and satisfy the requirements of the District's General Regulations Regarding Water Service, Section U, Transfer of Uninstalled Water Service Connection Rights.

Please do not hesitate to contact me if you have any questions or want to discuss this matter in more detail.

cc: David Dickson

December 23, 2009

Gary Reece, General Partner
Gill-Vista Enterprises
5 Erba Lane, Suite D
Scotts Valley, CA 95066

Gary Lee Butler
1800 Industrial Way
Redwood City, CA 94063

Dear Property Owners:

RE: Request to Transfer an Uninstalled Non-Priority Crystal Springs Project Water Service Connection

Dear Property Owners:

We are pleased to confirm that the Coastside County Water District has **approved** your request to transfer one—3/4” (30 gpm) non-priority Crystal Springs Project water service connection. The result of this transfer is as follows:

- **APN 056-310-020** continues to have the remaining rights to 28.5—5/8” (20 gpm) uninstalled, non-priority water service connection from the Coastside County Water District; and
- **APN 056-135-250** now has a one—3/4” (30 gpm) non-priority water service connection assigned to it from the Crystal Springs Project.
Note: APN 056-135-250 is developed property being served since 1980 by a one—5/8” (20 gpm) PRE-CSP water service connection. With approval of this transfer, APN 056-135-250 now has a total capacity of one---inch (50 gpm) assigned to it of which one—5/8” is in service.

Please be advised that the City Council of the City of Half Moon Bay has taken the position that the transfer of a water service connection meets the definition of “development” so as to require a coastal development permit from the City. Applicants are advised to investigate this issue further with the Half Moon Bay Planning Department if applicable. The Coastside County Water District, in approving this application, does not make any representations or warranties with respect to further permits or approvals required by other governmental agencies, including the City of Half Moon Bay.

Sincerely,

David R. Dickson
General Manager

Cc: Glenna Lombardi

December 23, 2009

Gary Reece, General Partner
Gill-Vista Enterprises
5 Erba Lane, Suite D
Scotts Valley, CA 95066

Stephen and Lara Lee Conran
P.O. Box 1632
El Granada, CA 94018

Dear Property Owners:

RE: Request to Transfer an Uninstalled Non-Priority Crystal Springs Project Water Service Connection

Dear Property Owners:

We are pleased to confirm that the Coastside County Water District has **approved** your request to transfer one—3/4” (30 gpm) non-priority Crystal Springs Project water service connection. The result of this transfer is as follows:

- **APN 056-310-020** continues to have the remaining rights to 27—5/8” (20 gpm) uninstalled, non-priority water service connection from the Coastside County Water District; and
- **APN 047-104-120** now has a one—3/4” (30 gpm) non-priority water service connection assigned to it from the Crystal Springs Project.

Please be advised that the City Council of the City of Half Moon Bay has taken the position that the transfer of a water service connection meets the definition of “development” so as to require a coastal development permit from the City. Applicants are advised to investigate this issue further with the Half Moon Bay Planning Department if applicable. The Coastside County Water District, in approving this application, does not make any representations or warranties with respect to further permits or approvals required by other governmental agencies, including the City of Half Moon Bay.

Sincerely,

David R. Dickson
General Manager

Cc: Glenna Lombardi

December 23, 2009

Gary Reece, General Partner
Gill-Vista Enterprises
5 Erba Lane, Suite D
Scotts Valley, CA 95066

Thomas and Lisa McCaffrey
P.O. Box 2384
El Granada, CA 94018

Dear Property Owners:

RE: Request to Transfer an Uninstalled Non-Priority Crystal Springs Project Water Service Connection

Dear Property Owners:

We are pleased to confirm that the Coastside County Water District has **approved** your request to transfer a one-inch (50 gpm) non-priority Crystal Springs Project water service connection. The result of this transfer is as follows:

- **APN 056-310-020** continues to have the remaining rights to 24.5—5/8” (20 gpm) uninstalled, non-priority water service connection from the Coastside County Water District; and
- **APN 047-231-070** now has a one—inch (50 gpm) non-priority water service connection assigned to it from the Crystal Springs Project.
Note: APN 047-231-070 is developed and has been served by a one—5/8” PRE-CSP since 1971. Additionally, in 4/06, the District approved a one---3/4” (30 gpm) non-priority connection being transferred here. With approval of this transfer, APN 047-231-070 will have a total combined capacity of 5—5/8” (20 gm) of which one—5/8” is currently in service.

Please be advised that the City Council of the City of Half Moon Bay has taken the position that the transfer of a water service connection meets the definition of “development” so as to require a coastal development permit from the City. Applicants are advised to investigate this issue further with the Half Moon Bay Planning Department if applicable. The Coastside County Water District, in approving this application, does not make any representations or warranties with respect to further permits or approvals required by other governmental agencies, including the City of Half Moon Bay.

Sincerely,

David R. Dickson
General Manager

Cc: Glenna Lombardi

December 23, 2009

Gary Reece, General Partner
Gill-Vista Enterprises
5 Erba Lane, Suite D
Scotts Valley, CA 95066

Paul McGregor
168 West Point Avenue
Half Moon Bay, CA 94019

Dear Property Owners:

RE: Request to Transfer an Uninstalled Non-Priority Crystal Springs Project Water Service Connection

Dear Property Owners:

We are pleased to confirm that the Coastside County Water District has **approved** your request to transfer a one—5/8” (20 gpm) non-priority Crystal Springs Project water service connection. The result of this transfer is as follows:

- **APN 056-310-020** continues to have the remaining rights to 23.5—5/8” (20 gpm) uninstalled, non-priority water service connection from the Coastside County Water District; and
- **APN 048-062-060** now has a one—5/8” (20 gpm) non-priority water service connection assigned to it from the Crystal Springs Project.

Please be advised that the City Council of the City of Half Moon Bay has taken the position that the transfer of a water service connection meets the definition of “development” so as to require a coastal development permit from the City. Applicants are advised to investigate this issue further with the Half Moon Bay Planning Department if applicable. The Coastside County Water District, in approving this application, does not make any representations or warranties with respect to further permits or approvals required by other governmental agencies, including the City of Half Moon Bay.

Sincerely,

David R. Dickson
General Manager

Cc: Glenna Lombardi

COASTSIDE COUNTY WATER DISTRICT
Installed Water Connection Capacity & Water Meters

2009

Installed Water Connection Capacity	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Total
HMB Non-Priority													
0.5" capacity increase													
5/8" meter		3	1	1			1		1				7
3/4" meter											1		1
2" meter						1							
HMB Priority													
5/8" meter													0
3/4" meter		1											1
1" meter													0
1 1/2" meter													
2" meter													
County Non-Priority													
5/8" meter	1			1									2
3/4" meter													0
1" meter													0
County Priority													
5/8" meter													0
3/4" meter													0
1" meter													0
Monthly Total	1	4	1	2	0	1	1	0	1	0	1	0	11

5/8" meter = 1 connection
3/4" meter = 1.5 connections
1" meter = 2.5 connections
2" meter = 8 connections

Installed Water Meters	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Totals
HMB Non-Priority		3	1	1		8	1		1		1.5		16.5
HMB Priority		1.5											1.5
County Non-Priority	1			1									2
County Priority													0
Monthly Total	1	4.5	1	2	0	8	1	0	1	0	1.5	0	20

TOTAL CCWD PRODUCTION (MG) ALL SOURCES-2009

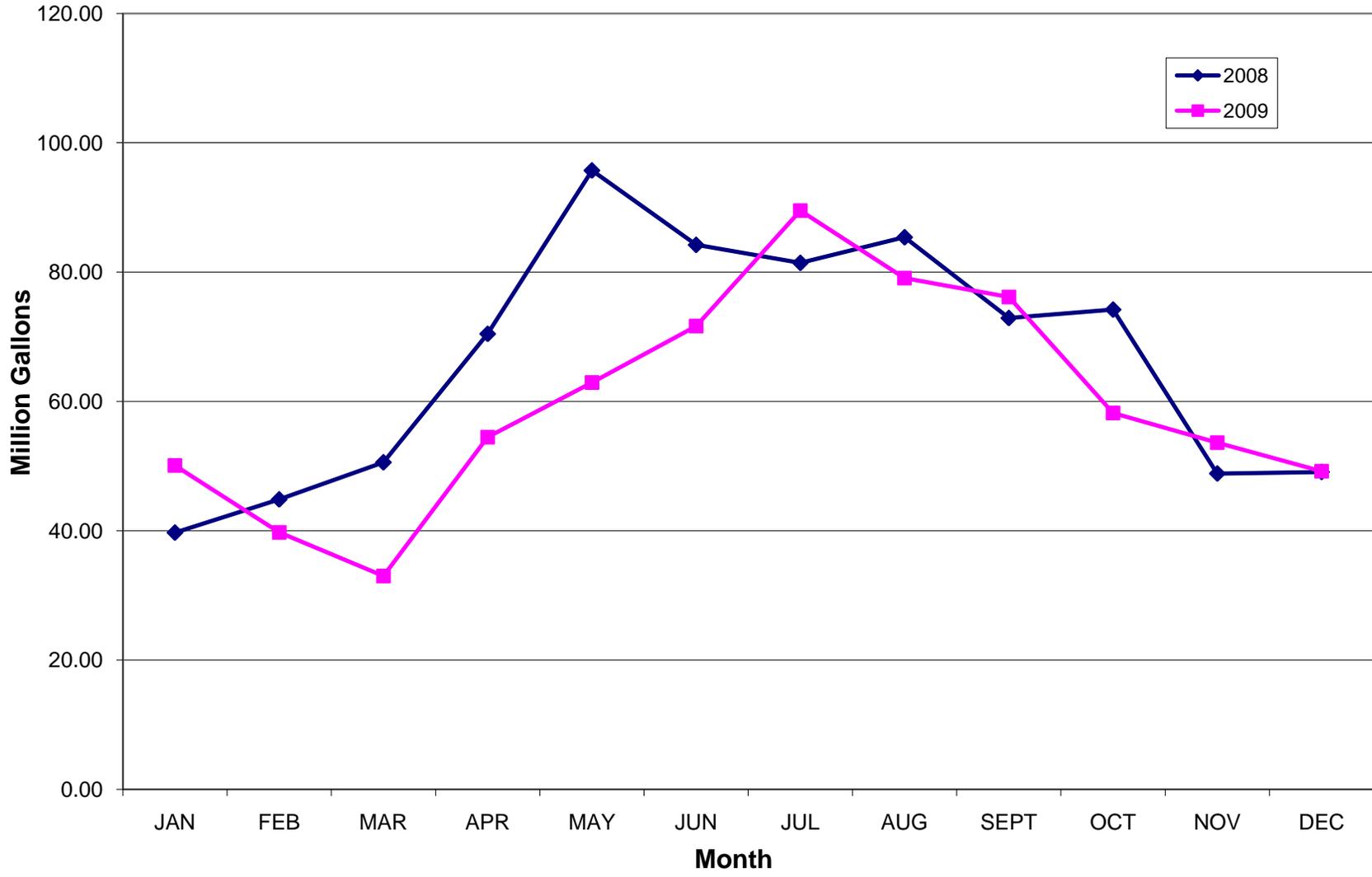
	PILARCITOS WELLS	PILARCITOS LAKE	DENNISTON WELLS	DENNISTON RESERVOIR	CRYSTAL SPRINGS RESERVOIR	RAW WATER TOTAL	IN-PLANT USAGE AND UNMETERED WATER	TREATED TOTAL
JAN	1.56	0.00	0.00	0.78	52.21	54.55	4.46	50.09
FEB	4.19	5.11	0.00	0.00	33.52	42.82	3.08	39.74
MAR	1.12	35.08	0.00	0.00	0.00	36.20	3.21	32.99
APR	0.00	58.566	0.30	0.76	0.00	59.63	5.17	54.46
MAY	0.00	49.27	2.43	12.46	3.77	67.93	5.00	62.93
JUN	0.00	57.09	2.38	11.07	5.84	76.38	4.74	71.64
JUL	0.00	1.78	0.00	1.27	90.10	93.15	3.64	89.52
AUG	0.00	0.00	0.00	0.00	82.30	82.30	3.24	79.06
SEPT	0.00	0.00	0.00	0.00	78.74	78.74	2.61	76.13
OCT	0.00	0.00	0.00	0.00	60.48	60.48	2.28	58.20
NOV	5.14	0.00	0.69	2.85	48.00	56.68	3.04	53.64
DEC	7.93	0.00	0.6	3.07	40.13	51.73	2.516	49.21
TOTAL	19.94	206.90	6.40	32.26	495.09	760.59	42.973	717.62
% TOTAL	2.6%	27.2%	0.8%	4.2%	65.1%	100.0%	5.6%	94.4%

12 Month Running Treated Total 717.62

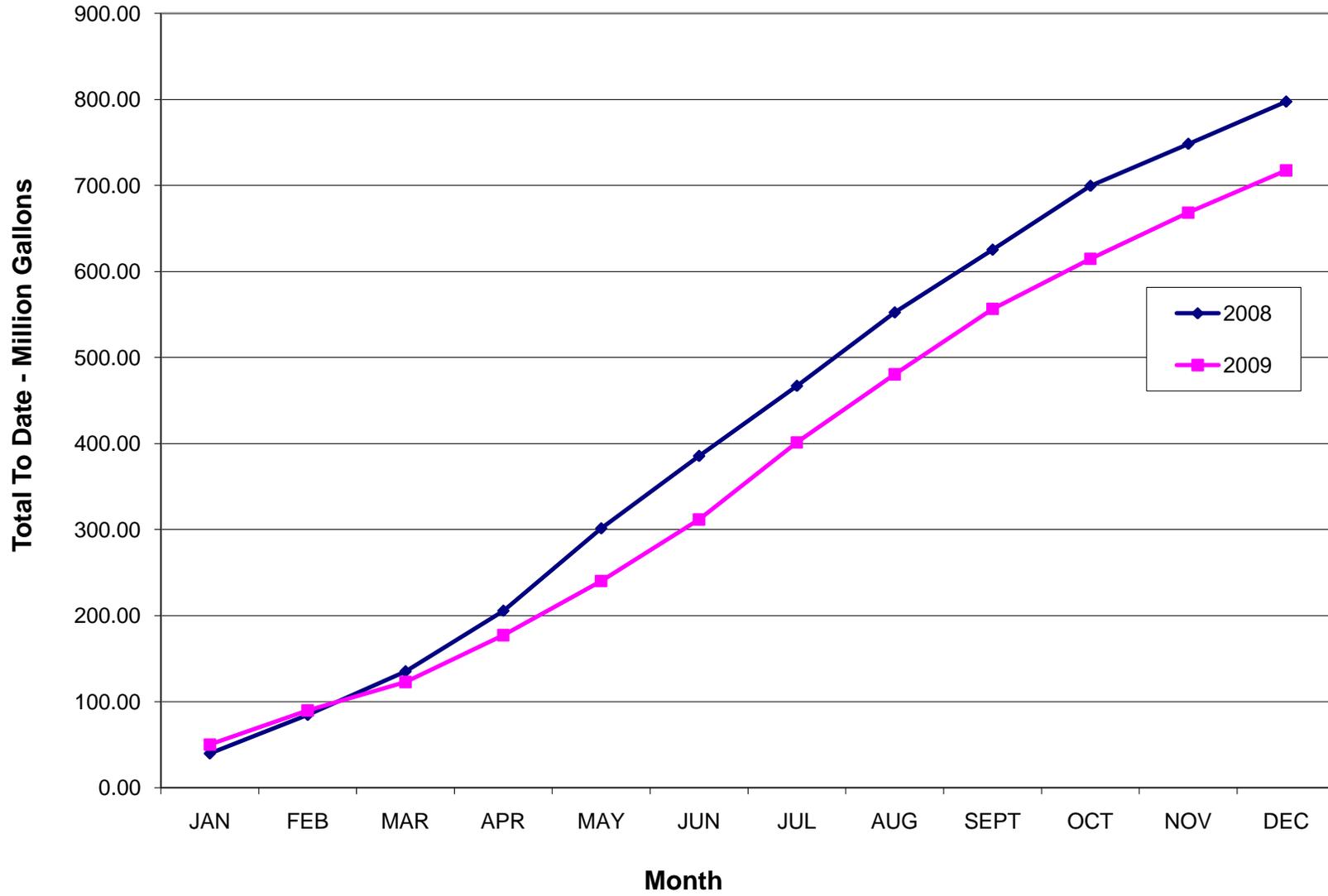
TOTAL CCWD PRODUCTION (MG) ALL SOURCES-2008

	PILARCITOS WELLS	PILARCITOS LAKE	DENNISTON WELLS	DENNISTON RESERVOIR	CRYSTAL SPRINGS RESERVOIR	RAW WATER TOTAL	IN-PLANT USAGE AND UNMETERED WATER	TREATED TOTAL
JAN	6.47	29.20	0.00	0.00	7.03	42.70	2.99	39.71
FEB	9.39	38.24	0.00	0.00	0.00	47.63	2.78	44.85
MAR	9.04	40.42	1.01	3.94	0.00	54.41	3.83	50.58
APR	0.00	58.26	0.88	13.53	1.84	74.51	4.06	70.45
MAY	0.00	29.32	2.89	14.00	54.87	101.08	5.36	95.72
JUN	0.00	0.00	3.32	9.15	77.34	89.81	5.6	84.21
JUL	0.00	0.00	3.50	9.75	75.32	88.57	7.136	81.43
AUG	0.00	0.00	0.33	2.55	87.00	89.88	4.492	85.39
SEPT	0.00	0.00	0.00	0.00	76.90	76.90	4	72.90
OCT	0.00	0.00	0.00	0.00	77.73	77.73	3.53	74.20
NOV	0	0.00	0	0.00	51.83	51.83	2.98	48.85
DEC	4.75	0.00	0	0.00	48.34	53.09	4	49.09
TOTAL MG	29.65	195.44	11.93	52.92	558.20	848.14	50.761	797.38
% TOTAL	3.5%	23.0%	1.4%	6.2%	65.8%	100.0%	6.0%	94.0%

Monthly Production 2009 vs. 2008



Cumulative Production 2009 vs. 2008



**Coastside County Water District Monthly Sales By Category (MG)
2009**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	MG to Date
RESIDENTIAL	23.097	35.336	18.88	37.224	23.718	48.096	29.420	55.001	29.038	48.765	22.031	34.135	404.74
COMMERCIAL	5.456	0.952	4.953	1.188	5.552	1.217	6.815	1.275	6.710	1.512	5.317	1.047	41.99
RESTAURANT	2.623	0.123	2.585	0.12	2.872	0.126	3.196	0.337	3.279	0.313	2.527	0.272	18.37
HOTELS/MOTELS	3.755	0.085	3.39	0.088	3.928	0.115	4.721	2.061	4.029	1.735	3.473	1.291	28.67
SCHOOLS	0.737	0.034	0.509	0.043	1.615	0.12	2.884	1.989	1.966	1.490	1.079	0.525	12.99
MULTI DWELL	1.863	1.331	2.533	1.277	2.441	1.435	2.872	3.378	3.531	2.424	2.055	2.254	27.39
BEACHES/PARKS	0.405	0.017	0.305	0.052	0.818	0.101	1.049	0.146	1.180	0.074	0.563	0.014	4.72
FLORAL	9.622	0.242	11.549	0.241	16.427	0.158	13.865	7.366	9.049	7.344	8.228	5.018	89.11
RECREATIONAL	0	0.17	0.046	0.221	0.055	0.203	0.070	0.260	0.080	0.194	0.026	0.203	1.53
MARINE	1.006	0	0.812	0	0.802	0	0.966	0.000	1.233	0.000	1.184	0.000	6.00
IRRIGATION	2.042	1.247	1.076	1.213	0.728	2.418	17.384	15.809	11.340	8.194	3.227	3.234	67.91
Portable Meters	0	0.371	0	0.193	0	0.362	0.000	1.739	0.000	1.676	0.000	1.563	5.90
TOTAL - MG	50.61	39.91	46.64	41.86	58.96	54.35	83.24	89.36	71.44	73.72	49.71	49.56	709.34

Running 12 Month Total

709.34

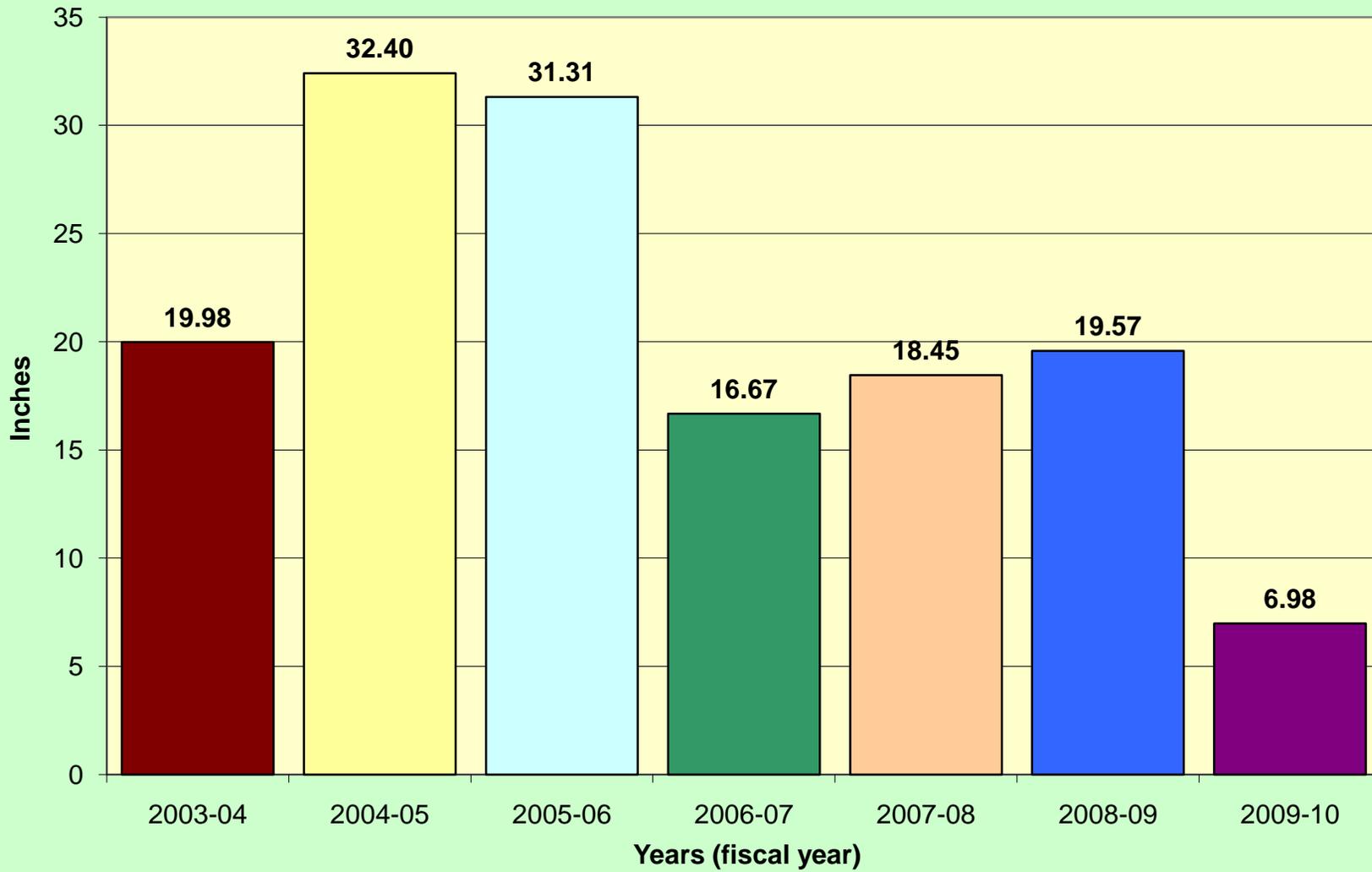
**Coastside County Water District Monthly Sales By Category (MG)
2008**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	MG to Date
RESIDENTIAL	21.17	31.05	19.64	36.623	28.871	53.578	30.064	53.703	29.785	46.449	23.142	36.05	410.13
COMMERCIAL	5.38	1.1	6.17	1.23	6.781	1.477	7.938	1.441	7.877	1.238	5.593	1.026	47.25
RESTAURANT	1.96	0.04	2.13	0.053	2.887	0.045	3.231	0.026	2.673	0.127	3.722	0.123	17.02
HOTELS/MOTELS	4.48	0.24	4.5	0.138	5.305	0.136	5.671	0.158	5.778	0.126	1.831	0.088	28.45
SCHOOLS	0.93	0.07	0.86	0.068	2.224	0.171	3.515	0.115	3.428	0.103	0.332	0.052	11.87
MULTI DWELL	4.51	6.08	4.38	5.921	5.146	6.365	5.762	6.217	5.382	6.054	2.759	2.828	61.40
BEACHES/PARKS	0.38	0.01	0.28	0.025	0.786	0.064	1.173	0.079	0.993	0.094	0.568	0.009	4.46
FLORAL	17.55	0.21	17.31	0.227	22.968	0.293	16.961	0.35	15.601	0.306	6.556	0.292	98.62
RECREATIONAL	0.07	0.16	0.06	0.174	0.096	0.209	0.111	0.228	0.12	0.2	0.065	0.167	1.66
MARINE	1.15	0	0.32	0	0.402	0	0.37	0	1.143	0	0.943	0	4.33
IRRIGATION	3.12	0.48	0.12	1.476	14.77	3.251	28.197	3.333	17.651	2.634	0.382	1.695	77.11
PORTABLE METERS	0	0.33	0	0.284	0	1.296	0	1.587	0	1.735	0	0.403	
MG	60.70	39.77	55.77	46.22	90.24	66.89	102.99	67.24	90.43	59.07	45.89	42.73	767.93

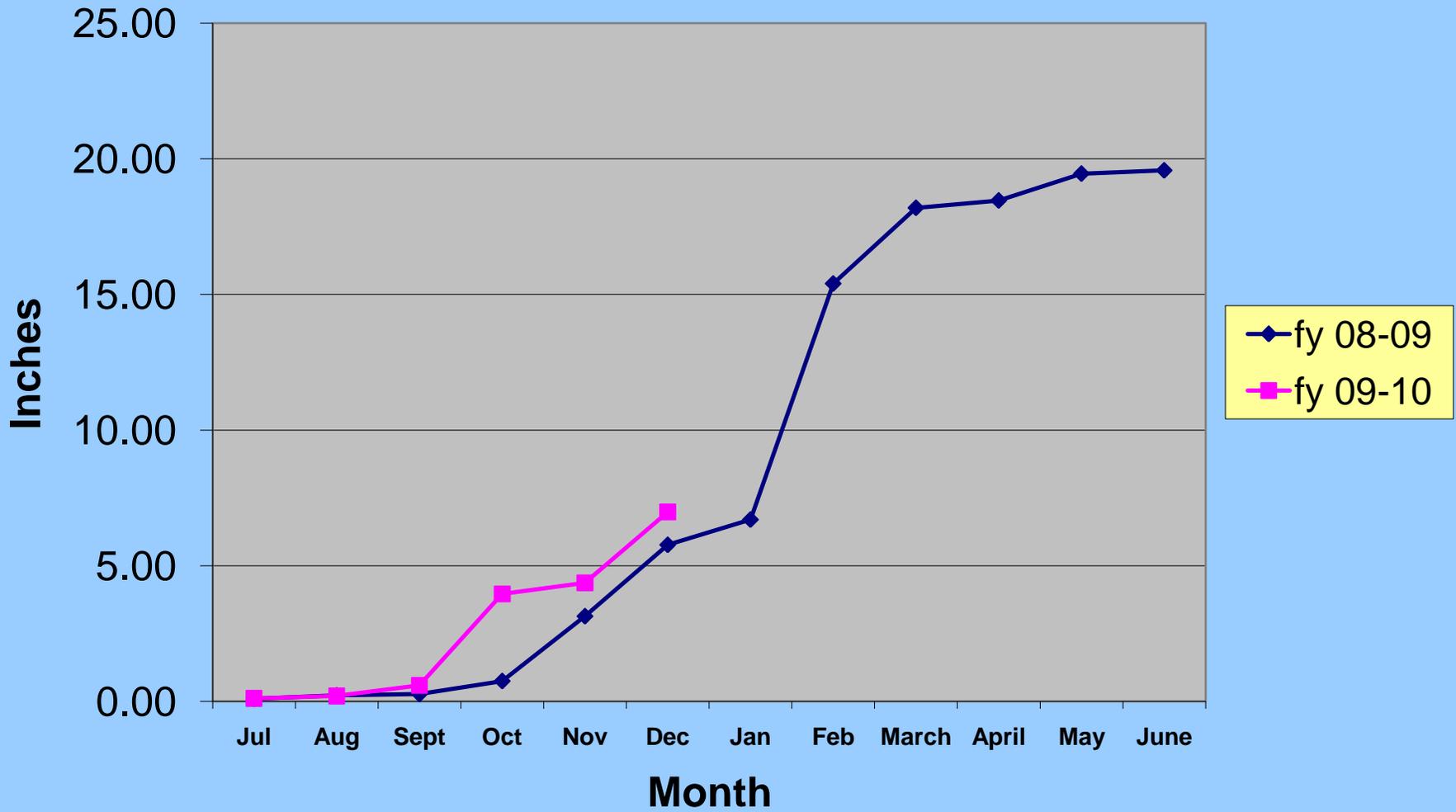
Coastside County Water District
Monthly Leak Report
 December 2009

Date		City	Pipe Type/Size	Repair Material	Estimated Water Loss (gallons)	Repair Material Costs	Manpower and Equipment Costs	Estimated Cost of Repair (dollars)
27-Dec-09	100 Ave. Portola	El Granada	1" plastic service	5'-1" copper / 1 - copxcop	1,600	\$48.04	\$800	\$848
TOTAL					1,600.00	48.04	800.00	848.04

Rain Totals



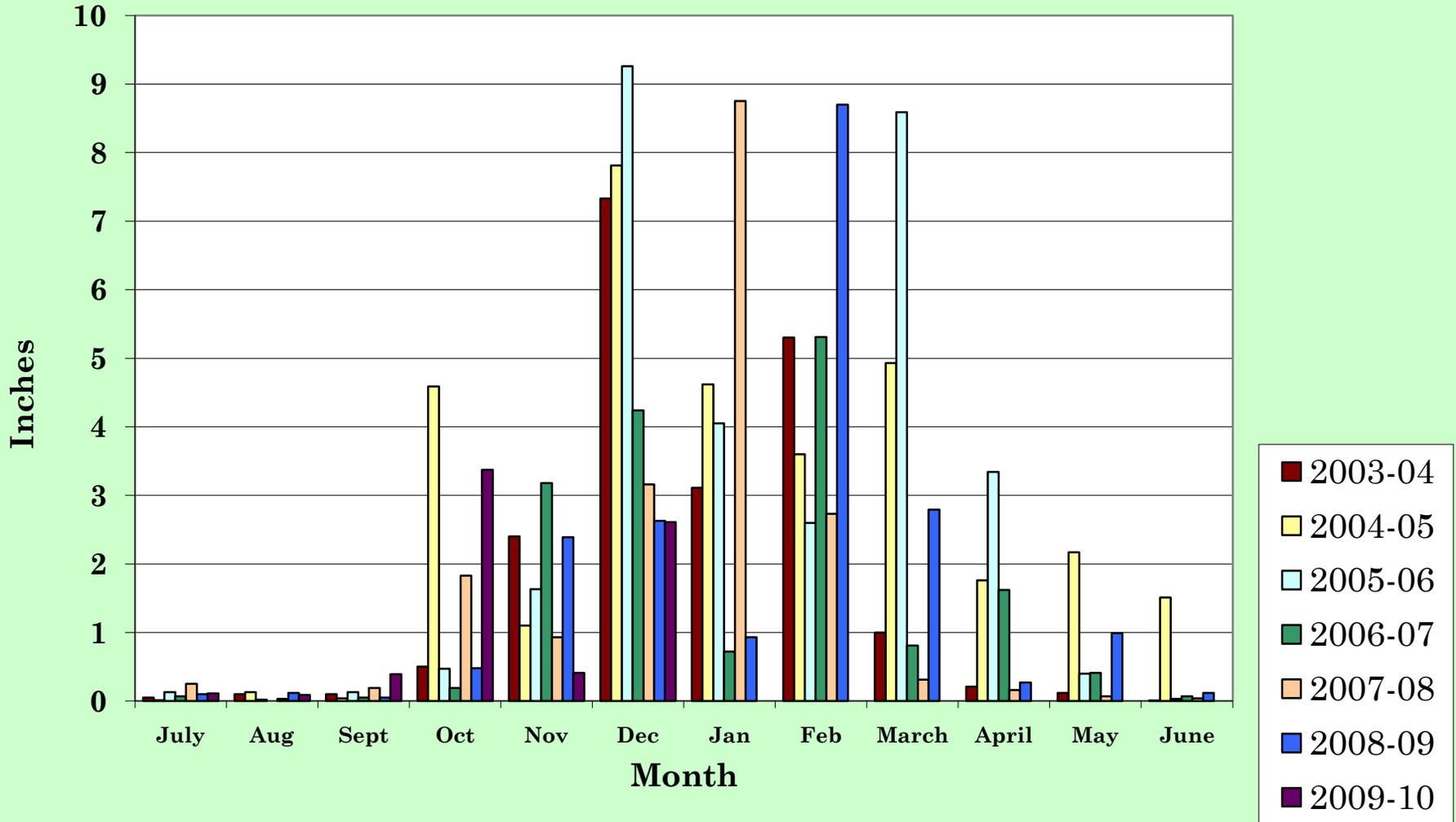
Rainfall Totals fy 09 - 10



Coastside County Water District

Rainfall by Month

July '09 thru Jun '10



MONTHLY CLIMATOLOGICAL SUMMARY for DEC. 2009

NAME: Office CITY: Half Moon Bay STATE: CA ELEV: 80 LAT: 37 38' 00" LONG: 122 25'59"

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	52.3	59.4	1:00p	44.2	12:00m	12.7	0.0	0.00	1.8	13.0	4:30a	SSW
2	49.1	56.5	1:30p	43.3	1:30a	15.9	0.0	0.00	0.6	7.0	2:30p	E
3	49.3	61.0	3:00p	41.6	7:30a	15.7	0.0	0.00	1.3	11.0	11:30a	N
4	47.2	55.4	2:30p	40.6	6:30a	17.8	0.0	0.00	0.4	6.0	12:00p	NNW
5	48.8	56.4	1:30p	38.0	12:00m	16.2	0.0	0.00	0.8	9.0	11:30a	NNW
6	47.7	56.1	1:00p	35.2	2:00a	17.3	0.0	0.27	1.4	13.0	11:00p	NNW
7	44.0	50.2	2:00p	34.6	11:30p	21.0	0.0	0.24	1.5	14.0	4:30p	N
8	41.3	54.3	2:00p	32.2	6:00a	23.7	0.0	0.00	0.7	8.0	10:00p	NNE
9	41.9	48.3	2:00p	36.1	12:30a	23.1	0.0	0.00	4.0	18.0	7:00a	NNE
10	45.6	50.1	2:00p	43.0	12:30a	19.4	0.0	0.09	5.5	20.0	12:00p	NNE
11	51.0	59.1	1:00p	41.6	8:00a	14.0	0.0	0.25	4.3	19.0	1:30a	N
12	56.2	61.4	2:00p	54.5	6:30a	8.8	0.0	0.53	3.9	22.0	1:00p	SE
13	55.9	62.1	1:00p	52.8	12:00m	9.1	0.0	0.21	3.2	21.0	2:00a	S
14	52.6	62.5	2:30p	45.2	11:00p	12.4	0.0	0.00	0.5	9.0	3:00p	SSW
15	53.9	63.8	2:30p	46.0	12:30a	11.2	0.0	0.00	1.3	13.0	11:30p	NNE
16	57.8	65.1	12:30p	54.6	11:30p	7.2	0.0	0.11	1.5	15.0	1:00a	S
17	55.6	62.5	2:00p	51.9	7:00a	9.4	0.0	0.01	3.6	20.0	8:30a	N
18	57.6	65.2	2:00p	52.6	1:00a	7.4	0.0	0.00	3.1	22.0	10:30a	N
19	54.9	61.1	2:00p	50.9	9:00p	10.1	0.0	0.00	3.0	22.0	12:30p	NNE
20	55.1	60.8	3:00p	49.0	4:00a	9.9	0.0	0.00	1.0	14.0	12:30a	NNE
21	56.0	61.6	11:30a	49.5	12:00m	9.0	0.0	0.12	1.8	24.0	12:00m	SSE
22	49.6	53.9	3:00p	44.7	10:00p	15.4	0.0	0.01	5.1	27.0	1:30a	NNW
23	47.2	56.6	1:00p	40.2	10:30p	17.8	0.0	0.00	1.3	13.0	12:30a	NNE
24	52.4	61.2	2:00p	42.2	12:30a	12.6	0.0	0.00	2.3	19.0	3:30a	N
25	49.5	59.6	1:30p	41.9	12:00m	15.5	0.0	0.00	2.1	19.0	9:30a	NNE
26	50.1	61.0	1:00p	40.7	2:30a	14.9	0.0	0.59	1.4	16.0	11:00a	NNE
27	53.2	61.6	1:30p	48.8	7:30a	11.8	0.0	0.00	1.4	18.0	9:00p	NNE
28	50.5	54.8	12:30p	45.2	12:00m	14.5	0.0	0.00	4.7	20.0	7:30a	NNE
29	49.2	59.1	2:30p	39.2	7:00a	15.8	0.0	0.16	1.4	17.0	11:30p	NNE
30	54.2	60.1	1:30p	49.9	8:00a	10.8	0.0	0.02	0.9	15.0	1:00a	SE
31	55.5	64.6	2:00p	49.2	8:00a	9.5	0.0	0.00	0.6	10.0	2:00p	NE
	51.1	65.2	18	32.2	8	430.0	0.0	2.61	2.1	27.0	22	NNE

Max >= 90.0: 0

Max <= 32.0: 0

Min <= 32.0: 0

Min <= 0.0: 0

Max Rain: 0.59 ON 12/26/09

Days of Rain: 11 (>.01 in) 9 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: January 12, 2010

Report

Date : January 5, 2010

Subject: 411 Chesterfield – Water Service Agreement

Recommendation:

Consider approval of Water Service Agreement between Coastside County Water District and Guadalupe Lopez for construction of a pipeline extension to serve real property at 411 Chesterfield Avenue in Half Moon Bay.

Discussion:

The attached Water Service Agreement provides for construction of the water utility system that will serve the property at 411 Chesterfield Avenue, Half Moon Bay. The project that will be served by the pipeline extension is a single-family residence. The project consists of approximately 90 linear feet of 6" diameter pipeline beginning at the existing tee at the intersection of Chesterfield Avenue.

Fiscal Impact:

The applicant has already paid filing and plan check fees to the District. The cost of construction will be paid entirely by the applicant.

WATER SERVICE AGREEMENT

THIS AGREEMENT is made as of this ____ day of January, 2010, between COASTSIDE COUNTY WATER DISTRICT (“District”) and Guadalupe Lopez (collectively the “Applicant”).

1. **Recitals.** This Agreement is entered into with regard to the following facts and circumstances.
 - 1.1. District is a public corporation organized and existing under the provisions of the California Water Code and is engaged in the storage, transmission and sale of water for domestic purposes within the County of San Mateo.
 - 1.2. Applicant is engaged in the development of real property within the geographical limits of the District. Applicant is the owner of certain real property known as 411 Chesterfield, Half Moon Bay, California and designated in the records of the San Mateo County Assessor as APN #056-055-120/020 (the “Property”).
 - 1.3. Applicant represents it has obtained a Coastal Development Permit from the County of Half Moon Bay for, and proposes to construct on the Property, a development consisting of a single family residence.
 - 1.4. Applicant proposes to install a Non-Complex Pipeline Extension (the “Project”) to provide a water and fire protection service connection to the proposed residence.
2. **Components Of Agreement.** This Agreement shall consist of the following documents each of which are referred to and by this reference made a part hereof as fully and completely as if they were fully set forth herein:
 - 2.1. This Agreement.
 - 2.2. Plans for the project prepared by James S. Teter, Consulting Engineer. The Plans, consisting of 5 sheets, are attached hereto as Exhibit A.
 - 2.3. Water System Specifications for Pipeline Extension to 411 Chesterfield, Exhibit B, attached hereto.
 - 2.4. Coastal Development Permit authorizing construction of the Project Utility System (as defined below), to be furnished to the District and reviewed and approved prior to the commencement of construction.
 - 2.5. Encroachment Permit from the City of Half Moon Bay, if applicable, to be furnished to the District and reviewed and approved prior to the commencement of the Project.

3. **Approval Of Project Utility System**

3.1. The Project Utility System, as defined below, shown on and described on the plans prepared by James S. Teter, Consulting Engineer, is approved. The Plans are attached hereto as Exhibit A.

3.2. "Project Utility System" means the water mains, fittings, valves and housing thereof, fire hydrants, manholes and all appurtenances thereto, except water meters, as depicted and described in the reviewed submittal document.

4. **Submittal of Proposal for Review and Approval by District.** Applicant is responsible for obtaining a Proposal for construction of the Project from a licensed, qualified contractor to construct the Project. The Contractor shall possess a valid California Contractor's License. The Contractor shall have satisfactorily completed construction of a minimum of 5 similar pipeline projects, and shall if requested submit a list of these projects together with the telephone number of the owner's representative who can be contacted regarding the work. Prior to commencement of construction, Applicant shall furnish a copy of the Proposal, along with evidence satisfactory to the District that the contractor possesses the necessary licenses and experience to construct the project utility system as detailed in this paragraph.

5. **Installation.** Applicant shall commence installation of the Project Utility System no later than 90 days, subject to extension for force majeure events not the fault of the applicant, after the date of this Agreement and shall complete its installation within twelve months after the date of this Agreement. If installation is not commenced and/or completed by such dates, the District may terminate this Agreement, unless the delay is solely attributable to events, such as fire, flood or earthquake, which are beyond the control of, and not the fault of, Applicant. Applicant shall install the Project Utility System in accordance with the location and sizes shown on the reviewed submittal document, and the further reasonable directions of the District Engineer.

6. **Inspection: Construction.**

6.1. Applicant shall notify District in writing at least ten (10) days in advance of the proposed starting date for construction, and shall not commence construction unless the District Engineer or other authorized District inspector is at the site of the work when construction begins. District agrees to make the District Engineer or other authorized District inspector available to be on site, provided the 10 days notice is given by Applicant. If construction is not continuous, District shall be notified at least forty-eight (48) hours in advance of the resumption of construction. Any work performed without notice to District may be rejected on that ground alone. The District Engineer will observe and inspect facilities solely to protect the interests of the District and to determine whether the completed work is acceptable to District and can be incorporated into the District system. The District does not assume thereby any

responsibility for the operations or safety practices of Applicant. Applicant is responsible for correct location of all facilities it installs. The District Engineer will not inspect facilities installed “downstream” of the individual meter boxes.

6.2. Applicant shall permit District’s employees and authorized representatives to inspect the Project Utility System, and the plans and materials therefore, at any reasonable time before, during, or after installation.

6.3. Applicant shall repair at its expense (or, at the option of District, shall reimburse District for the actual cost of repairs affected by it) any damage to District property caused by Applicant, its agents, employees, or contractors in construction the Project Utility System.

7. **Payment of Fees and Charges.** The Applicant will pay applicable fees and charges as follows:

7.1. **Transmission and Storage Fees.** None due. Any water connections shall be purchased by separate agreement. This Agreement only provides for construction of a Non-Complex Pipeline Extension, and not for purchase of water system capacity.

7.2. **Initial Filing Fee.** The District acknowledges receipt of a non-refundable initial filing fee in the amount of \$150.

7.3. **Plan Check and Construction Inspection Fees.** None due. District acknowledges receipt of Plan Check and Construction Inspection Fees in the amount of five thousand dollars (\$4,000.00), which is the amount due for the District staff and Engineer’s costs in reviewing final plans, inspecting the construction for the Project Utility System, modification of water system maps, administrative, legal and auditing costs.

7.4. **Total Payment Due With Agreement.** None due.

8. **Bonds.**

8.1. Prior to commencement of construction, Applicant shall furnish to District adequate and acceptable improvement security which shall consist of:

8.1.1. A payment bond in the amount of 100% of the Proposal amount, to guarantee payment of the obligations referred to in Section 3248 of the Civil Code;

8.1.2. A performance bond in the amount of 100% of the Proposal amount, to guarantee faithful performance of the terms of this Agreement; and

8.1.3. A maintenance bond in the sum of 10% of the Proposal amount, to guarantee against defective materials and faulty workmanship for a period two (2) years from

and after acceptance of the System by District.

8.2. The bonds shall be in form and substance satisfactory to District's legal counsel and shall be issued by a surety company qualified to and doing business in California and otherwise acceptable to District.

9. **Indemnity.** District shall not be responsible or held liable in any manner whatsoever for any injury or damage which may be done to any person or property (or other loss or liability) as a result of the matters set forth in this Agreement and the installation of the Project Utility System by or on behalf of Applicant. Applicant, on its behalf and on behalf of its successors in interest, hereby agrees to waive any claims against District arising from or related to the events and activities described in Section 1, above, and to indemnify and defend the District and hold it free, safe and harmless of, from and against any and all liability for the death of or injury to any person and for the loss of, or damage to, any property (including the loss of its use) which may arise from such events and activities. The agreements contained in this paragraph shall survive the performance of the remainder of this Agreement and shall remain in full force and effect notwithstanding such performance.

10. **Insurance.**

10.1. Applicant or its construction contractor shall, at its cost, maintain in full force and effect during the period beginning with the commencement of construction of the Project Utility System and terminating no earlier than thirty (30) days after completion thereof and approval by District for its connection with the District's distribution system, a policy or policies of liability insurance, as follows:

10.1.1. Bodily and personal injury liability in an amount not less than One Million Dollars (\$1,000,000.00) per person and Two Million Dollars (\$2,000,000.00) per occurrence; and

10.1.2. Property damage insurance in an amount not less than One Million Dollars (\$1,000,000.00) per occurrence.

10.2. Such policies shall insure District as an additional insured against any and all liability for the death of or injury to any person and for the loss of or damage to any property which may arise by reason of acts done or omitted to be done as a result of the installation of the Project Utility System by or on behalf of Applicant, and shall further insure District against any and all costs and expenses, including attorneys fees, which District may incur in resisting any claim which may be made against District for any such injury or damage.

10.3. Each policy shall:

10.3.1. Be issued by an insurance company or companies qualified to do business in California and approved in writing by District;

10.3.2. Name District, its Directors, officers, agents and employees, as additional insureds;

10.3.3. Specify that it acts as Primary Insurance; the insurer being liable thereunder for the full amount of any loss up to and including the total limits of liability without right of contribution from any insurance effected by District;

10.3.4. Provide that the policy shall not be cancelled or altered without thirty (30) days prior written notice to District; and

10.3.5. Otherwise be in form reasonably satisfactory to District.

10.4. Applicant or its contractor shall provide, and maintain at all times during the course of installation of the Project Utility System, Workers' Compensation Insurance in conformance with the laws of the State of California. Such policy shall provide that the underwriter thereof waives all right of subrogation against District by reason of any claim arising out of or connected with installation of the Project Utility System and that such policy shall not be cancelled or altered without thirty (30) days prior written notice to District.

10.5. Copies of all policies required above (or Certificates of Insurance satisfactory to District) shall be delivered to District at least ten (10) days prior to commencement of construction of the Project Utility System.

11. **Conveyance Of Title To Project Utility System.** Full right, title and interest in and to all elements of the Project Utility System installed pursuant hereto will be granted to District upon written notice of acceptance thereof by District and without the necessity for any further action by Applicant. There shall be no obligation upon District to pay or reimburse to Applicant any part of the cost of the Project Utility System. Applicant warrants that upon such passage of title to District, the title shall be free and clear from any and all mechanics and materialmen liens that could arise from construction of the Project Utility System, charges and encumbrances whatsoever.

12. **Acceptance By District.** District shall accept the Project Utility System when all of the following conditions have been met: (1) completion of the Project Utility System; (2) certification by District Engineer upon completion that the Project Utility System has been constructed in accordance with this Agreement; (3) furnishing by Applicant of evidence that it has paid all costs incurred in construction the Project Utility System; (4) performance by Applicant of all of its obligations under this Agreement which are to be completed prior to acceptance of the Project Utility System, including conveyance of easements and payment of all sums due the District; and (5) furnishing by Applicant of "as-

built” drawings. Upon acceptance, Applicant shall be relieved of all future obligations to maintain the Project Utility System components that are located within the street right of way, subject to its obligation to repair defects, which obligation is secured by the maintenance bond provided above, for the duration of the term of such bond (i.e., two years after acceptance). Project facilities which are located on the Applicant’s property, including the backflow prevention device, shall be owned and maintained by applicant.

13. **Execution And Performance Of Agreement.** Execution of this Agreement is a condition precedent to issuance by District of any letters, approvals, consents, or communications to any state, municipal, local or other public bodies regarding the availability of water service to the area to be developed. Full performance of and compliance with each and every term of this Agreement by Applicant is a condition precedent to water service by District.
14. **District Regulations.** Applicant shall at all times abide by and faithfully observe any and all District ordinances, resolutions, rules and regulations presently in effect, including current fee schedules, or which may hereafter be enacted or amended from time to time, including but not limited to “Regulations Regarding Water Service Extensions and Water System Improvements” a copy of which has previously been furnished to Applicant.
15. **Assignment.** Applicant’s rights under this Agreement may not be assigned in connection with a sale or conveyance of the Property without the express written consent of District, which shall not be unreasonably withheld. No such assignment shall be valid or binding on the district unless the assignee executes a written instrument, in form and substance satisfactory to District assuming all of Applicant’s obligations under this Agreement, which have not been fully performed as of the date of assignment. Such assignment shall not release Applicant from any of its obligations to District under this Agreement. This Agreement shall be binding upon and shall inure to the benefit of the parties and their successors and permitted assigns. If the Applicant or a permitted successor or assign shall dis-incorporate, forfeit its articles or right of incorporation, or otherwise fully terminate without a successor or assign, District shall as of the date of dis-incorporation, forfeiture or termination own the Project Utility System free and clear of any obligation to any party.

16. **Notice.** Any notice required by this Agreement shall be satisfied by a notice in writing either delivered personally or sent by regular or certified mail, postage prepaid, and addressed as follows:

District: Coastside County Water District
766 Main Street
Half Moon Bay, CA 94019
Attention: General Manager

Applicant: Guadalupe Lopez
120 Coral Reef Avenue
Half Moon Bay, CA 94019

Each party shall notify the other in writing of any change in the address provided above for providing notice hereunder.

17. **Construction Of Agreement.** Both parties have participated in preparing this Agreement. This Agreement shall be construed reasonably and not in favor of or against either party hereto on the grounds that one party prepared the Agreement.

18. **Entire Agreement.** This Agreement, including all of its components, contains the entire agreement between the parties hereto. No oral understandings, statements, promises or inducements contrary to the terms of this Agreement exist.

19. **Applicable Law.** This Agreement shall be governed by and construed and enforced in accordance with and subject to the laws of the State of California. Except as expressly provided for herein, this Agreement is not intended to, and does not, modify the District's rights to exercise the legislative discretion accorded to it by the laws of California. Any lawsuit related to this Agreement shall be commenced, and prosecuted in the courts of the State of California.

20. **Amendment.** Any amendment hereof, including any oral modification allegedly supported by new consideration, shall not be effective unless reduced to a writing signed by both parties.

21. **Authorized Signatures.** The individuals whose names are subscribed to this Agreement represent that they are authorized to act on behalf of the party for whom they sign.

22. **Time.** Time is of the essence of the Agreement.

IN WITNESS WHEREOF the parties hereto have executed this Agreement as of the day and year first above written.

Coastside County Water District

Applicant

By: _____
President, Board of Directors

Guadalupe Lopez

Attest:

By: _____
Secretary

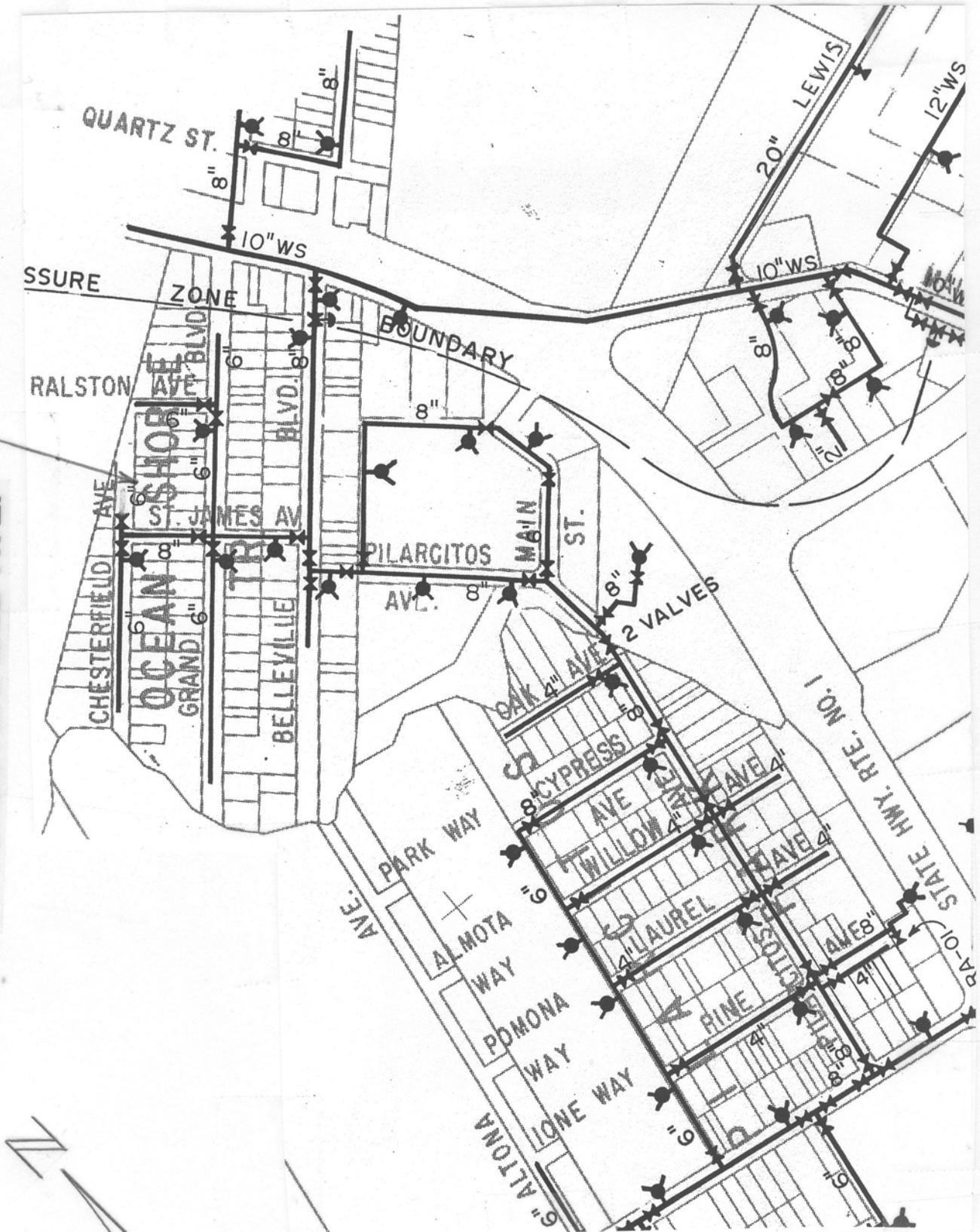
Dated 11/11/09

DRAWINGS FOR PIPELINE EXTENSION TO 411 CHESTERFIELD AVENUE

LIST OF DRAWINGS

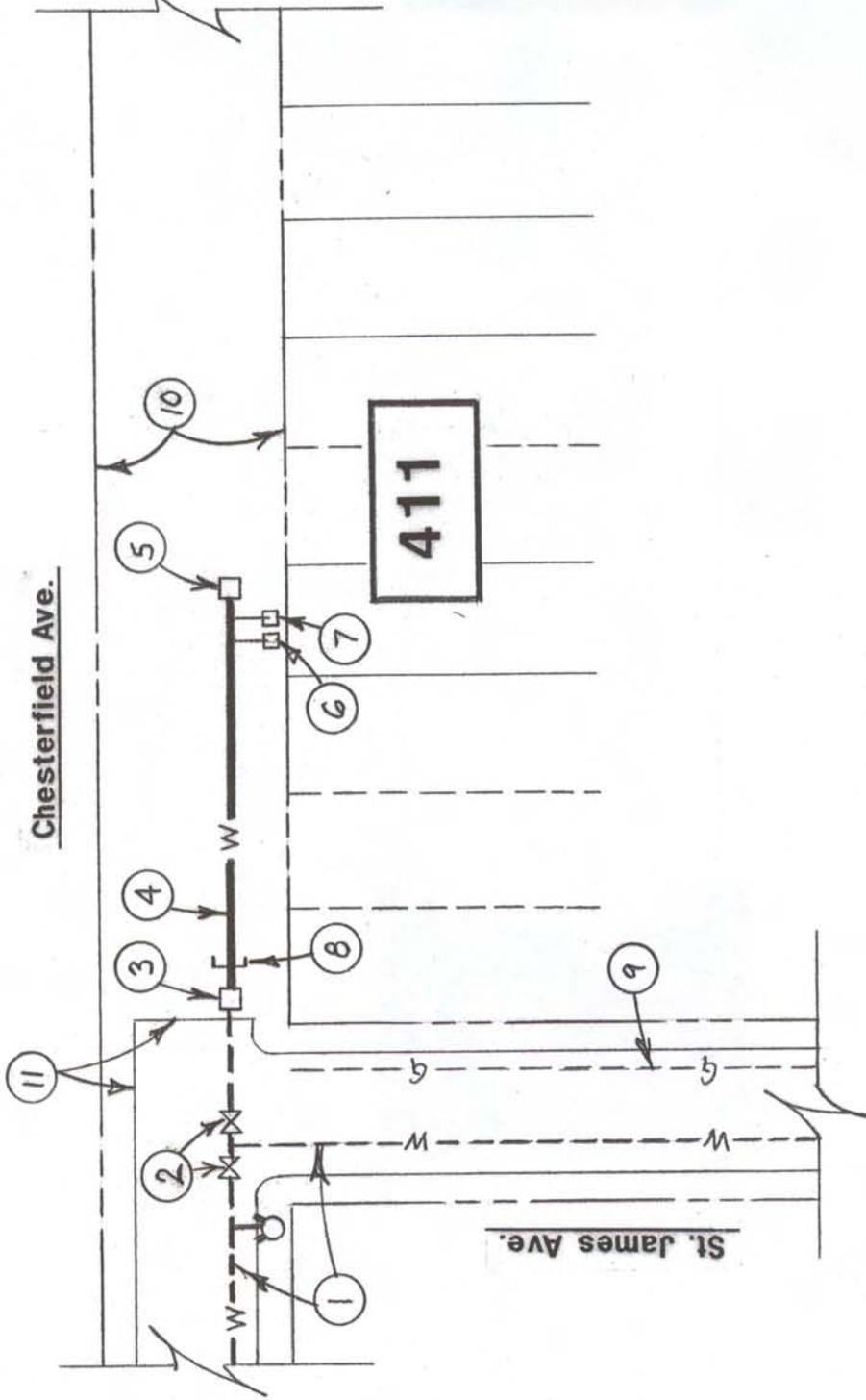
PROJECT VICINITY MAP.
PROJECT SITE PLAN: PLAN OF CHESTERFIELD AVE.
LEGEND FOR PROJECT SITE PLAN DRAWING.
GENERAL NOTES.

411 CHESTERFIELD AVE.



PROJECT VICINITY MAP

SCALE: 1" = 400'



PROJECT SITE PLAN: PLAN OF CHESTERFIELD AVE.

SCALE: 1" = 40'

LEGEND FOR PROJECT SITE PLAN DRAWING

<u>CIRCLED NUMBER</u>	<u>DESCRIPTION</u>
1	EXISTING 6 INCH CAST IRON WATER PIPELINE TO REMAIN IN SERVICE.
2	EXISTING GATE VALVE TO REMAIN IN SERVICE.
3	EXISTING BLOW-OFF VALVE TO BE REMOVED.
4	NEW 6 INCH DUCTILE IRON PIPELINE (5 LENGTHS OF PIPE EQUALS APPROXIMATELY 90 FEET OF NEW PIPE).
5	NEW BLOW-OFF VALVE. SEE DISTRICT STANDARD INSTALLATION DETAIL CONTAINED IN THE SPECIFICATIONS DOCUMENT.
6	NEW ¾ INCH DOMESTIC WATER SERVICE CONNECTION. SEE DISTRICT STANDARD INSTALLATION DETAIL CONTAINED IN THE SPECIFICATIONS DOCUMENT.
7	NEW 1 INCH FIRE SERVICE CONNECTION. SEE DISTRICT STANDARD INSTALLATION DETAIL CONTAINED IN THE SPECIFICATIONS DOCUMENT.
8	NEW TEMPORARY END CAP FOR LEAKAGE TESTING & DISINFECTION.
9	EXISTING GAS PIPELINE.
10	EDGE OF STREET RIGHT OF WAY.
11	EDGE OF EXISTING AC PAVEMENT.

GENERAL NOTES

1. EXISTING UNDERGROUND UTILITIES. LOCATION OF EXISTING UTILITIES AND OTHER UNDERGROUND FACILITIES SHOWN ON THE DRAWINGS IS BASED ON AVAILABLE INFORMATION AND IS NOT GUARANTEED TO BE EITHER ACCURATE OR COMPLETE. ONLY MAIN LINE UTILITY FACILITIES ARE SHOWN: SERVICE FACILITIES FROM THE MAIN LINE TO STRUCTURES ARE NOT SHOWN FOR GAS, ELECTRIC, CABLE TV, TELEPHONE AND SANITARY SEWER. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT LEAST 48 HOURS BEFORE BEGINNING WORK TO HAVE THE LOCATION OF ALL UNDERGROUND FACILITIES MARKED IN THE FIELD BY THEIR OWNERS. THE CONTRACTOR SHALL ALSO CONTACT THE OWNERS OF OTHER KNOWN UNDERGROUND FACILITIES NOT INCLUDED IN THE U.S.A. SYSTEM SUCH AS SANITARY SEWERS, STORM DRAINS, AND CABLE TV TO HAVE THE LOCATIONS OF THOSE FACILITIES MARKED IN THE FIELD. PRIOR TO BEGINNING MACHINE EXCAVATION WORK THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EACH UNDERGROUND UTILITY BY HAND EXCAVATION (POTHOLING).
2. ENCROACHMENT PERMIT FROM CITY OF HALF MOON BAY. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF HALF MOON BAY, AND ALL WORK WITHIN STREET RIGHT OF WAY AREA SHALL BE PERFORMED IN CONFORMANCE WITH THE CONDITIONS OF THE ENCROACHMENT PERMIT.
3. SEQUENCE OF CONSTRUCTION. THE WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE FOLLOWING SEQUENCE OF CONSTRUCTION.
 - A. BEGIN PIPELINE CONSTRUCTION WITH THE TEMPORARY END CAP (FOR LEAKAGE TESTING & DISINFECTION) ADJACENT TO THE EXISTING BLOW-OFF VALVE.
 - B. CONSTRUCT THE NEW 6 INCH DIAMETER DUCTILE IRON PIPELINE FROM THE TEMPORARY END CAP TO THE END OF THE NEW PIPELINE INCLUDING THE NEW BLOW-OFF VALVE.
 - C. CONSTRUCT THE NEW ¾" DOMESTIC WATER SERVICE CONNECTION AND THE NEW 1" FIRE SERVICE CONNECTION.
 - D. COMPLETE LEAKAGE TESTING AND DISINFECTION.
 - E. REMOVE THE EXISTING BLOW-OFF VALVE AT THE END OF THE EXISTING 6 INCH DIAMETER CAST IRON PIPELINE, AND CONNECT THE EXISTING PIPELINE TO THE NEW PIPELINE USING NEW 6 INCH DUCTILE IRON PIPE AND A MECHANICAL JOINT SLEEVE.

Dated: November 11, 2009

Coastside County Water District

**WATER SYSTEM SPECIFICATIONS
FOR
PIPELINE EXTENSION TO 411 CHESTERFIELD AVENUE**

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Specifications. This document contains the technical specifications for all water system facilities for which ownership upon project completion will be conveyed by the Applicant, Guadalupe Lopez, to the Coastside County Water District (CCWD). This document is not a complete set of specifications for the project; the Applicant is responsible for all project specifications and contract documents other than this Water System Specifications document.
- B. Project Drawings. This Specifications document shall be used in conjunction with the engineering drawings for the project prepared by James S. Teter, Consulting Engineer, which consist of the following sheets:
 - 1. Project Vicinity Map.
 - 2. Project Site Plan: Plan of Chesterfield Avenue
 - 3. Legend for Project Site Plan Drawing
 - 4. General Notes.
- C. Conflicts Between Specifications and Drawings. Where conflicts occur between this Specification document and the project drawings, this Specifications document shall take precedence. Conflict resolution shall be performed by the District Engineer for the Coastside County Water District.

1.02 REGULATORY AGENCIES

- A. Water System. All water system work shall be in conformance with the rules and regulations of the Coastside County Water District, County of San Mateo Department of Health Services, and the State Department of Health Services.
- B. Safety. All work shall be in conformance with applicable State and Federal laws and regulations, rules and orders and as may be necessary in order that the work is performed in a safe manner and that the safety and health of the employees and the people of local communities is safeguarded.

- C. Work Within Street Right of Way Area Including Trench Backfill and Repaving. All work within the street right of way area shall be performed in conformance with the requirements of the agency having jurisdiction over the right of way area (City of Half Moon Bay County of San Mateo County, or Caltrans). For the Pipeline Extension to 411 Chesterfield Avenue Project, the agency having jurisdiction over the right of way area is the City of Half Moon Bay.
- D. Pollution Abatement. All work shall be performed in conformance with NPDES (National Pollutant Discharge Elimination System) regulations as well as with all other applicable pollution abatement rules and regulations.

1.03 PERMITS

Prior to beginning work, the Applicant or the project Contractor shall obtain all permits required for the work. One known required permit for the Pipeline Extension to 411 Chesterfield Avenue project is a street encroachment permit from the City of Half Moon Bay.

1.04 INSPECTION

- A. Responsible Agency:
 - 1. Water System Work. Inspection of water system facilities including backfill around piping will be performed by the CCWD. CCWD inspection fees shall be paid by the Applicant. In areas that are not public right of way areas, the Applicant or the Contractor shall retain a qualified soils engineer who shall perform field tests and certify in writing prior to project acceptance that the backfill is in conformance with project requirements.
 - 2. Work in Public Right of Way Areas. In public right of way areas, trench backfill and repaving will be inspected by the agency having jurisdiction over the right of way area. All inspection fees and soils testing costs shall be paid by the Applicant or the Contractor.
 - 3. Work in Private Property Areas. Inspection of trench backfill and repaving shall be performed by the Applicant or a qualified representative of the Applicant.
- B. Notification. The CCWD shall be notified by the Contractor 10 days prior to the proposed start of construction of water system facilities. If construction is not continuous, the CCWD shall be notified at least 48 hours in advance of the resumption of construction.
- C. Observation. The Engineer and his authorized representatives shall at all times have access to the work, and the Contractor shall furnish every reasonable facility for ascertaining that the materials and workmanship are in accordance with CCWD requirements. All work performed and all materials furnished shall be subject to the CCWD's on-site and off-site observations. The CCWD will

observe and inspect facilities solely to protect the interests of the CCWD and to determine whether the completed work is acceptable for incorporation into the CCWD system. The CCWD does not assume thereby any responsibility for the safety practices of the Contractor. The Contractor is responsible for the correct location of all facilities which are installed. All work shall be inspected by the CCWD prior to backfill. Work which has been backfilled prior to inspection by the CCWD shall be uncovered for observation at the expense of the Contractor.

1.05 CHANGES

All work shall be performed in conformance with the project documents approved by the CCWD. Changes shall not be made without the written approval of the CCWD District Engineer.

1.06 REPAIR OF DAMAGE

The Contractor shall repair at his expense any damage to CCWD or other property caused by his work. At the option of the CCWD, repairs to CCWD facilities will be completed by the CCWD with the cost of the repair work being paid by the Contractor.

1.07 SITE CONDITIONS

The CCWD has performed no investigation of subsurface conditions in the work area. The Contractor shall visit the site prior to submitting his bid and shall be responsible for making his own evaluations, inspections and determinations of all site conditions, including subsurface.

1.08 LINES AND GRADES

The Contractor will be solely responsible for all lines and grades. At no cost to the Contractor, the CCWD will field locate existing water system facilities based on best available information. However, this CCWD locating assistance is not guaranteed to be either accurate or complete. The Contractor shall uncover all existing facilities by hand excavation (potholing) ahead of his machine excavation work. Where the project drawings indicate the location of water system facilities with respect to property corners or easement boundaries, the Applicant or the Contractor shall retain the services of a licensed land surveyor to field locate each property corner and easement boundary required for installation of the new water system facilities at the proper locations.

1.09 SALVAGEABLE MATERIALS

Existing CCWD materials removed during the normal prosecution of work deemed salvageable by the CCWD, except as otherwise noted on the project drawing to be reused, shall remain under CCWD ownership and shall be delivered to the CCWD corporation yard by the Contractor.

1.10 PERSONAL LIABILITY

Neither the CCWD, its Engineer, nor any of the CCWD officers or employees shall be personally responsible for any liability arising under or by virtue of the Contractor's work.

1.11 QUALITY ASSURANCE

- A. Performance Test. Prior to project completion, the Contractor shall demonstrate to the CCWD that all water system facilities perform in the manner in which they are intended for use.
- B. Leakage Test. All water pipelines, service tubing and piping accessories shall be tested for leakage in conformance with the requirements contained in Part 3 of this document.
- C. Disinfection. All potable water pipelines, service tubing and piping accessories shall be disinfected in conformance with the requirements contained in Part 3 of this document.

1.12 REFERENCES TO STANDARD SPECIFICATIONS AND REGULATIONS

- A. Reference to standard specifications, manuals or codes of any technical society, organization or association, or to the laws or regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code, law or regulation in effect at the time the project documents are prepared (date shown on Specification document).

PART 2 - MATERIALS

2.01 GENERAL REQUIREMENTS

- A. All materials shall be in conformance with CCWD rules and regulations for "approved" materials. All materials shall be new. Manufacturers furnishing pipe,

valves, or piping accessories shall have had similar products in successful operation under similar operating conditions for a period of at least 5 years, and shall if requested submit a list of representative installations.

- B. The following materials specifications contain requirements for pipe, valves, and piping appurtenances commonly used for pipeline extension projects. Not all of the materials specified below may be required for this project.

2.02 SHOP DRAWING REQUIREMENTS

- A. CCWD-Approved Materials. Where specific materials are listed below by manufacturer's name and model number, they are District-approved materials by CCWD Resolution No. 2003-11. No shop drawing submittals are required for these CCWD-approved materials.
- B. Approved Equal Materials. Where the term "or approved equal" is used below, the Contractor may propose the use of alternative materials to those named by submitting shop drawings for the proposed alternative materials. Five copies of each shop drawing shall be submitted to the Engineer for review. The shop drawing submittal information shall be as required to demonstrate to the satisfaction of the District Engineer that the material is equal to the District-approved material. No alternative materials shall be incorporated into the work until they have received the CCWD Engineer's favorable review. Where the term "or approved equal" is not utilized below, no alternatives will be considered by the CCWD.
- C. Contractor Verification. Where model, style or types of manufacturer's products are listed below, they are intended to indicate a standard of quality. The Contractor shall verify that the referenced model, style or type is correct for the actual project application prior to ordering the materials. When listed model numbers are no longer available or are incorrect, the District will provide new model numbers for District-approved materials.

2.03 DUCTILE IRON PIPE

- A. Pipe. Pipe shall normally be ductile iron pipe with push-on joints conforming to AWWA Standard C151, thickness Class 52. Where flanged joint pipe is required it shall conform to AWWA Standard C115, thickness Class 53.
- B. Pipe Joints:
 - 1. Push-On Pipe Joints. Push-on pipe shall normally be utilized for all buried piping except where otherwise indicated on the project drawings or otherwise required. Push-on joints shall conform to AWWA Standard C111 with

- restrained type "Field-Lok" gaskets as manufactured by U.S. Pipe and Foundry Co.
2. Flanged Joint Pipe. Flanged joint pipe shall be utilized in buried piping where shown on the Contract Drawings or required. All above grade pipe shall have flanged joints. Flanges shall be in conformance with AWWA C115. Flanges shall be Class 125, B16.1, rated for a service pressure of 250 psi. Bolts and nuts for all flanged joints shall be Type 316 stainless steel.
- C. Fittings:
1. Fittings for Push-On Joint Pipe. Fittings shall be ductile iron conforming to AWWA Standard C153. Fittings shall be push-on type ("Tyton" style) or mechanical joint type as directed by the District. Fittings shall be furnished and installed with joint restraint devices as described below:
 - a. Restraint Device for Push-On Fittings: "Field-Lok" gaskets as manufactured by U.S. Pipe and Foundry Co.
 - b. Restraint Device for Mechanical Joint Fittings: Series 1110HD Megalug Retainer Glands as manufactured by EBBA Iron Sales, Inc.
 2. Fittings for Flanged Pipe. Fittings shall be ductile iron conforming to AWWA C110. Fittings shall be screw-on type, normally Class 125, B16.1 Type, designed for a service pressure of 250 psi. Bolts and nuts for flanged joints shall be Type 316 stainless steel. Gaskets shall normally be 1/8 inch thick non-asbestos composition type.
- D. Exterior Coating. Pipe and fittings shall be furnished with a 1 mil thick asphaltic coating. The finished coating shall be the manufacturer's standard conforming to AWWA requirements.
- E. Interior Lining. Pipe and fittings shall be cement lined in conformance with AWWA Standard C104.
- F. Polyethylene Encasement. Polyethylene encasement shall be tube type, conforming to AWWA Standard C105. Color may be Class A natural or Class C black.

2.04 COPPER TUBING

- A. Tubing:
1. Buried Tubing. Copper tubing for buried service shall be Type K (soft) conforming to ASTM B88.
 2. Exposed Tubing. Copper tubing for exposed service shall be Type L (hard) conforming to ASTM B88.
- B. Tubing Joints and Fittings.

1. Buried Tubing. Joints and fittings for buried copper tubing shall be compression type which do not require flaring or soldering. Service fittings shall be Mueller Series 110 compression connections.
2. Exposed (Not Buried) Tubing. Joints and fittings for exposed copper tubing shall be wrought copper conforming to ANSI B16.22 or cast bronze conforming to ANSI B16.18 with soldered connections. Solder shall conform to ASTM B3208g, alloy grade E or HB; solder and flux shall contain less than 0.2% lead.

2.05 BRASS PIPE

- A. Brass pipe shall be in conformance with ASTM-B43, regular. Joints shall be screwed type.

2.06 GATE VALVES

- A. Gate Valves 4 Inches in Diameter and Larger. Gate valves shall be resilient-wedge type conforming to AWWA C509 and the following additional requirements. Valves shall be rated at 250 psi working pressure. All body and bonnet bolts, studs, and nuts shall be Type 316 stainless steel. Stem seals shall be O-ring type. Valve operators shall be 2 inch square nut type. Valve end connections shall be normally push-on or mechanical joint type except where flanged end connections are required. The interior and exterior of the valve body shall be coated with 10 mils minimum of epoxy material which conforms to AWWA Standard C550. The CCWD-approved valves shall be Mueller Co. A-2360 Series or Clow Corp. Model 2639.
- B. Gate Valves 3 Inches in Diameter and Smaller. Valves shall be rated for 200 psi service, and shall be bronze body, solid wedge disc, non-rising stem, handwheel operated type with screwed end connections.

2.07 TAPPING SLEEVES AND TAPPING VALVES

- A. Tapping Sleeves. The CCWD-approved tapping sleeve is the JCM Model 432 all stainless steel tapping sleeve with Type 316 stainless steel body, bolts and nuts.
- B. Tapping Valves. The CCWD-approved tapping valve is the Mueller tapping gate valve conforming to the specifications requirements for Gate Valves in Paragraph 2.06 above. The valve outlet end connection shall be a mechanical joint type.

2.08 VALVE BOXES AND RISER PIPE

- A. Valve Boxes. Valve boxes shall be Christy Model G-5 with cast iron lids with the work "Water" cast into the lid.
- B. Riser Pipe. Riser pipe for the valve operator shall be 8 inch diameter PVC sewer pipe conforming to ASTM D-3034, SDR 35.

2.09 FIRE HYDRANT ASSEMBLIES

- A. Each fire hydrant assembly shall consist of a Clow 960 fire hydrant, a Clow No. LB 40 breakoff check valve, a 26 inch long hydrant bury piece with a mechanical joint 6 inch diameter end connection, and extension pieces as required. Bolts and nuts for flanged joints shall be Type 316 stainless steel.

2.10 SERVICE FITTINGS FOR COPPER TUBING

- A. Service fitting shall be Mueller Series 110 compression connections as listed below:

<u>Description</u>	<u>Mueller Model Number</u>	
	<u>3/4" & 1" Size</u>	<u>1-1/2" & 2" Size</u>
Corporation Stop	B-25008	B-25008
Meter Angle Stop	B-24258	B-24276
Union	H-15403	H-15403
Tee	H-15381	H-15381

- B. Angle Check Valves shall be products of Ford as listed below:

<u>Size</u>	<u>Model Number</u>
3/4"	HA31-323
1"	HA31-444
1-1/2"	HFA31-666
2"	HFA31-777

2.11 THRUST RESTRAINT DEVICES

- A. The following thrust restraint devices shall be provided where shown on the project drawings or otherwise permitted by the CCWD:
 1. Mechanical Joint Retainer Glands: Series 1110 HD Megalug Retainer Glands, a product of EBBA Iron Sales, Inc.
 2. Push-On Pipe Bell Restraint System: "Field-Lok" gasket, a product of U.S. Pipe and Foundry Co.

2.12 WATER METERS

- A. Water meters shall be Sensus meters with Orion automatic read devices. The Contractor shall purchase the meters through the CCWD.

2.13 METER BOXES

- A. Meter boxes shall be concrete, and shall be products of Christy Concrete Products, Inc. Meter box lids in non-traffic areas shall normally be concrete, and in traffic areas shall be galvanized steel. Lids shall have the work "Water" cast into the top. Extension pieces shall be provided as required so that the bottom of the meter box assembly is equal in elevation with the bottom of the meter or other device inside the box or as shown on the District Standard Installation Details or as directed by District field personnel.
- B. For water meter service connections, the following boxes and lids shall be provided:

CHRISTY METER BOXES AND LIDS

<u>Water Meter Size</u>	<u>Box No.</u>	<u>Non-Traffic Lid No.</u>
3/4"	B9	B9P
1"	B16	B16P
1-1/2"	As Req'd.	P Type

The "P" type lids are fabricated of reinforced concrete with a 1-3/4 inch hole for the automatic meter reading device. Where meter boxes are utilized for air release assemblies, blow off valve assemblies and other non-meter applications use the "D" type lid.

Where traffic-type lids are required, provide lid type as required by the District.

- C. For blow-off valve assemblies, the meter box shall be a Christy model B16. The lid shall be a galvanized steel traffic type for blow-off valves located within a street traffic area and concrete for blow-off valves located in non-traffic locations.

2.14 SERVICE SADDLES

- A. Service saddles shall be rated for a working pressure of 200 psi, and shall be bronze double strap type. Outlet shall be either AWWA taper or IPT as required

for the pipe to be connected to the saddle. The District-approved service saddle is the Mueller BR2B Series.

2.15 FIRE HYDRANT GUARD POSTS

- A. Fire hydrant guard posts (bollards) shall be 4 inch diameter Schedule 40 galvanized steel pipe, 6 feet long.

2.16 CONCRETE

- A. Concrete shall contain a minimum 564 pounds of Portland cement per cubic yard. Minimum compressive strength after 28 days shall be 3,500 psi.

2.17 SAND BEDDING AND BACKFILL MATERIAL

Sand for use in bedding and backfilling water pipelines and service tubing shall conform the requirements contained in the current edition of "Standard Specifications" issued by Caltrans (California Department of Transportation), Section 19. Use of beach sand will not be permitted.

2.18 WATER

Water shall be potable water unless otherwise permitted by the CCWD, and will be made available to the Contractor by the CCWD from available facilities at or in the vicinity of the work site. Cost of water shall be paid by the Contractor using a portable meter obtained from the District.

2.19 TRENCH BACKFILL MATERIALS AND REPAVING MATERIALS

- A. Public Right of Way Areas. Materials within public right of way areas shall conform to the requirements of the agency having jurisdiction over the right of way area (City of Half Moon Bay, County of San Mateo, or Caltrans).
- B. Non-Public Right of Way Areas. Materials shall conform to the requirements contained in the current edition of "Standard Specifications" issued by Caltrans (California Department of Transportation), Section 19.

PART 3 - EXECUTION

3.01 SEQUENCE OF UNDERGROUND UTILITY CONSTRUCTION

- A. The sequence of underground utility construction shall be that the deepest utility system shall be constructed first and the shallowest last, except that construction of water pipelines shall in all instances be constructed before the joint electrical trench facilities.

3.02 EXISTING UNDERGROUND UTILITIES

- A. Prior to beginning work the Contractor shall notify USA to have the location of all underground utilities marked in the field. Prior to beginning machine excavation the Contractor shall verify the exact location of each underground utility by hand excavation (potholing).

3.03 SITE MEETING WITH DISTRICT FIELD PERSONNEL

- A. General. Prior to beginning work the Contractor shall arrange a meeting at the site with District field personnel to review the work requirements. The District will require satisfactory evidence such as field survey stakes or property corner survey markers of the location of the property line adjacent to which meter boxes are to be installed before the exact location of meter boxes can be determined.
- B. Easement Staking. For pipelines to be constructed on private property within an easement, the Applicant shall retain the services of a licensed land surveyor to install stakes on the edges of the easement. A stake shall be installed at each easement angle point and at a maximum distance of 50 feet apart between angle points. The surveyor shall provide a letter to the District describing the work performed, and a copy of the easement description shall be attached to the letter.

3.04 TRENCH EXCAVATION, BACKFILL AND REPAVING

- A. Trench Excavation. Trenching for pipe and service tubing shall be in open cut unless otherwise permitted by the District. Existing pavement shall be cut with a pavement saw. Existing vegetation shall be preserved and protected. Tree roots over 2 inches in diameter shall not be cut or otherwise damaged. In unpaved areas topsoil shall be removed, stockpiled, and replaced after completion of trench backfilling. Work shall be performed to minimize disruption of traffic and so as not to obstruct driveways and other access roadways. Excavation shall be to a minimum depth of 4 inches below the pipe grade to accommodate the pipe bedding material. All pipe and service tubing shall be bedded in a 4 inch thick layer of sand.

- B. Trench Backfill:

1. Pipe Zone Backfill. Backfilling work shall not begin until the District has completed its inspection of the piping work. All pipe and service tubing shall be backfilled with sand to a depth of 12 inches over the pipe. The sand shall be compacted to a minimum relative compaction of 95%.
 2. Upper Level Backfill:
 - a. Public Right of Way Areas. Backfilling shall conform to the requirements of the agency having jurisdiction over the right of way area (City of Half Moon Bay, County of San Mateo or Caltrans).
 - b. Non-Public Right of Way Areas. Under paved areas, backfill with structure backfill material compacted to a minimum 95% relative compaction. Under unpaved areas backfill with suitable excavated material compacted to a minimum 90% relative compaction.
- C. Trench Repaving:
1. Public Right of Way Areas. Conform to the requirements of the agency having jurisdiction over the right of way area (City of Half Moon Bay, County of San Mateo, or Caltrans).
 2. Non-Public Right of Way Areas. Repave to restore paved area to a condition equal or better than that which existed prior to start of work including restoration of gravel, crushed rock or oiled surfaces.
 3. Steel Traffic Plates. Contractor shall have available in the vicinity of the job site a sufficient number of steel traffic plates to cover 20 linear feet of trench. These plates shall be utilized as required to maintain traffic flow in streets, allow access to driveways and similar private roadways, and for passage of emergency vehicles. Normally all trenches shall be backfilled at the completion of each work day and temporary asphalt concrete paving installed in all areas which had existing pavement including sidewalks.
 4. Disposal of Excavated Materials. Excess and unsuitable materials shall be disposed of off the site in conformance with the requirements of regulatory agencies.
 5. Curb, Gutter and Sidewalk. All damaged areas shall be replaced with new materials.
 - a. Public Right of Way Areas. Work shall be performed in conformance with the requirements of the agency having jurisdiction over the right of way area (City of Half Moon Bay, County of San Mateo, or Caltrans).
 - b. Non-Public Right of Way Areas. In privately owned areas restoration shall be to a condition equal or better than that which existed prior to start of work.

3.05 PIPING GENERAL REQUIREMENTS

A. Location:

1. Pipelines. Pipelines shall be installed true to line and grade as shown on the engineering drawings. Buried pipelines shall be installed at a continuously sloping grade between points of given elevation without low or high points. If high points cannot be avoided, an air release valve assembly

shall be provided. Location of the pipeline may be modified by the Engineer to clear obstructions. Depth of cover over the pipeline to finish grade shall be as shown on the engineering drawings. If no depth of cover is shown on the drawings, minimum depth of cover shall be 36 inches.

2. Service Connection Tubing. Tubing shall be installed at a continuously sloping grade upward from the connection point with the water pipeline to the water meter box without low or high points. Tubing shall be installed with a minimum depth of cover of 30 inches unless otherwise permitted by the District.
- B. Handling. Pipe and service tubing shall be handled carefully to prevent damage. Pipe and service tubing shall be plugged at the end of each work day and at other times as required to prevent the entry of water or foreign material.
 - C. Trench Conditions. Pipe and service tubing shall have a full, even bearing on the top of the trench bedding material. All piping shall be laid in the dry; the Contractor shall dewater the trench as required. Piping ends shall be clean when joints are made.
 - D. Clearance Distances of Water Pipelines from Other Underground Utilities and Facilities. Water pipelines and service tubing shall be installed with the following minimum clearances from other underground utilities:
 1. Electrical Wires or Conduits, Storm Drains, Telephone Conduits, Cable TV Wires or Conduits, Other Utilities, and Other Facilities. Minimum horizontal clearance shall be 4 feet; minimum vertical clearance shall be one foot.
 2. Sanitary Sewers Including House Laterals. Minimum horizontal clearance shall be 10 feet; minimum vertical clearance shall be one foot. Water pipelines shall pass over sanitary sewers where feasible. The Contractor shall provide written documentation to the CCWD for each instance where a sanitary sewer line is passing over a water pipeline.
 - E. Thrust Restraints. All piping shall be adequately braced against thrust. Buried pipe shall be provided with concrete thrust blocks in conformance with the CCWD Standard Installation Details. Concrete thrust blocks are required for restrained joint type pipe fittings.
 - F. Connections to Existing Water Pipelines. Connections of new water pipelines to existing water pipelines shall be made in a manner which does not require taking the existing water pipeline out of service. Where required, connections shall be made by the "hot tap" method. It shall be the responsibility of the Contractor to verify by actual field measurement all existing site conditions including the size and type of the existing pipeline prior to ordering the tapping sleeve and tapping valve for the hot-tap connection.

- G. Fire Hydrant Guard Posts. Guard posts (bollards) shall be installed at all fire hydrants not protected by curbing and at locations with curbing where in the opinion of the District the fire hydrant is not adequately protected from vehicle traffic. The number and location or required guard posts will be determined in the field by the District. The posts shall be installed 3 feet into the ground using concrete encasement. Following installation the interior of the pipe shall be filled with concrete.
- H. Leakage Test. All piping shall be tested for leakage in conformance with the requirements specified for each type of pipe. The Contractor shall provide all materials and labor required for the leakage test including the pump, pressure gauge, corporation stops, and temporary plugs and thrust blocks. The procedure shall be to (1) fill the pipeline with water to the required test pressure, (2) disconnect the test pump hose and wait for the duration of the test period to elapse, (3) reconnect the test pump and measure the volume of water required to re-establish the test pressure. Following completion of the test the Contractor shall dispose of the leakage test water in conformance with NPDES regulations. It shall be the Contractor's responsibility to block off during the testing all piping appurtenances which may be damaged by the test pressure and to provide suitable thrust restraints. Leakage testing shall be witnessed by the District.
- I. Disinfection and Bacteriological Testing:
1. General. All piping systems conveying potable water shall be disinfected. Disinfection shall be in conformance with AWWA Standard C651 except as otherwise required by this document. The Contractor shall provide all materials and labor required for the disinfection process and shall dispose of the disinfection solution in conformance with NPDES requirements including dechlorination.
 2. Procedure:
 - a. Preliminary Preparation. The system shall be flushed with water to remove and dirt introduced into the piping during construction operations. All service outlets and fire hydrants shall be opened and the flushing operations continued until clear water flows from each outlet (Note: flushing shall be deferred until after completion of the disinfection process if tablets have been placed in the pipeline during the construction for disinfection).
 - b. Introduction of Disinfection Agent. The disinfection agent may be any chlorine compound approved by AWWA C651. The disinfection agent shall be injected slowly and continuously into the system until tests indicate a chlorine residual concentration of at least 25 mg/L at each pipeline outlet. All outlets shall then be closed and this condition maintained for 24 hours.
 - c. Preliminary Tests. After 24 hours tests shall be made for residual chlorine at each pipeline outlet. The minimum acceptable concentration shall be 10 mg/L. If the concentration is less than 10

mg/L, the disinfection procedure shall be repeated. If the concentration at each outlet is over 10 mg/L, the system shall be flushed out until a test at each outlet indicates a chlorine residual of less than 1.0 mg/L.

- d. Bacteriological Analyses. The CCWD will obtain samples from the piping being disinfected and have bacteriological analyses performed by a State certified laboratory. The number of samples taken shall conform to AWWA C651 (unless otherwise permitted by the District) and State Department of Health Services requirements. Costs of bacteriological analyses shall be paid by the Contractor.
- e. Final Approval. The requirement for final approval is that each water sample analyzed shall be in conformance with State disinfection requirements. If all bacteriological analyses are not in conformance with these requirements the disinfection procedure shall be repeated.
- f. Disinfection by Spraying or Swabbing. Water piping installations which cannot be disinfected using the procedure described above shall be disinfected by spraying or swabbing the pipeline interior with a minimum 1% chlorine solution immediately prior to installation.

3.06 DUCTILE IRON PIPE INSTALLATION

- A. General. Pipe installation shall be in conformance with Sections 1 through 3 of AWWA Standard C600 except as otherwise required by this Specification section. Pipe installation shall also be in conformance with the recommendations of the manufacturers of the pipe and fittings.
- B. Handling. Pipe shall be handled using pipe slings. Use of a forklift will not be permitted. Pipe ends shall be kept clean and shall be plugged at the end of each day's work or when pipe is not being laid to prevent the entry of water or foreign material.
- C. Restrained Joints and Concrete Thrust Blocks. All pipe joints shall be restrained using the materials described in Part 2 of this Specification section and also with a concrete thrust block.
- D. Pipe Taps. Pipe taps will be permitted in accordance with the following schedule:

Pipe Tap Schedule

<u>Pipe Diameter</u>	<u>Maximum Tap Size</u>	
	<u>Without Saddle</u>	<u>With Saddle</u>
4"	3/4"	2-1/2"
6"	1-1/4"	2-1/2"
8"	1-1/2"	2-1/2"
10" and larger	2"	2-1/2"

If the piping connection of larger pipes than permitted for taps is required, standard tee fitting shall be utilized.

- E. Maximum Pipe Joint Deflection. Special care shall be taken so as not to exceed the manufacturer's recommendations for joint deflection. For bends exceeding the applicable deflection, fittings shall be installed.
- F. Polyethylene Encasement. All ductile iron piping including pipe, fittings, valves and piping appurtenances shall be polyethylene encased. Installation shall be in conformance with either Methods A or B of AWWA Standard C105. The polyethylene encasement shall prevent contact between the piping and the surrounding backfill and bedding material but is not intended to be a completely airtight or watertight enclosure. Overlaps shall be secured by the use of adhesive tape furnished with the polyethylene encasement.
- G. Leakage Test. All ductile iron piping shall be tested for leakage for a duration of 2 hours at a test pressure of 250 psi. Allowable leakage for below grade piping shall not exceed the following:

<u>Pipe Diameter</u>	<u>Allowable Leakage per 1000 Linear Feet of Pipe During the 2 Hour Test Period</u>
4"	0.47 gallons
6"	0.71 gallons
8"	0.95 gallons
10"	1.19 gallons

3.07 COPPER SERVICE TUBING INSTALLATION

- A. Installation. Installation of copper tubing including jointing shall be in conformance with the recommendations of the manufacturers of the tubing and fittings.
- B. Leakage Test. Copper tubing shall be hydrostatically tested for leakage at 250 psi for a 2 hour duration test period. No leakage will be permitted.

3.08 INSTALLATION OF VALVES AND OTHER PIPING ACCESSORIES

- A. Installation of valves and other piping accessories shall be in conformance with the recommendations of the manufacturer of the product and in conformance with the District Standard Installation Details. A valve box shall be provided for each below grade valve. The Contactor shall demonstrate to the satisfaction of the District the proper performance of each piping accessory prior to project acceptance.
- B. Air Relief Valve Assemblies. An air relief valve assembly shall be installed at each pipeline high point where in the opinion of the CCWD entrapment of air could occur. The known locations where air relief valves are required are shown on the Contract Drawings. During construction, if additional pipeline high points are created which in the opinion of the CCWD could result in air

entrapment, an air relief valve shall be installed at each of these additional locations.

- C. Tapping Sleeve and Valve Installation. Installation of tapping sleeves and tapping valves shall be performed only by CCWD-approved contractors. Contractors currently approved by the CCWD for performing hot tap work are DC Tapping Service, T & R Tapping Inc., and West Valley Construction Co.

3.09 FIRE HYDRANT GUARD POSTS

- A. The number of guard posts (bollards) to be installed and their location will be determined in the field by the District. Each post shall be installed 3 feet into the ground using concrete encasement, and following installation the post shall be filled with concrete.

3.10 SERVICE CONNECTION INSTALLATION

- A. Piping for Water Meter Installation. The piping for the water meter installation shall be constructed at a sufficient depth below grade to allow sufficient space for installation of the water meter and its automatic metering reading head. The required distance will vary depending on the size of water meter. CCWD personnel will provide the Contractor with the required information.
- B. Irrigation Service Connections. Irrigation service connections where shown on the project drawings shall consist of both an irrigation water meter service connection and a backflow prevention device.

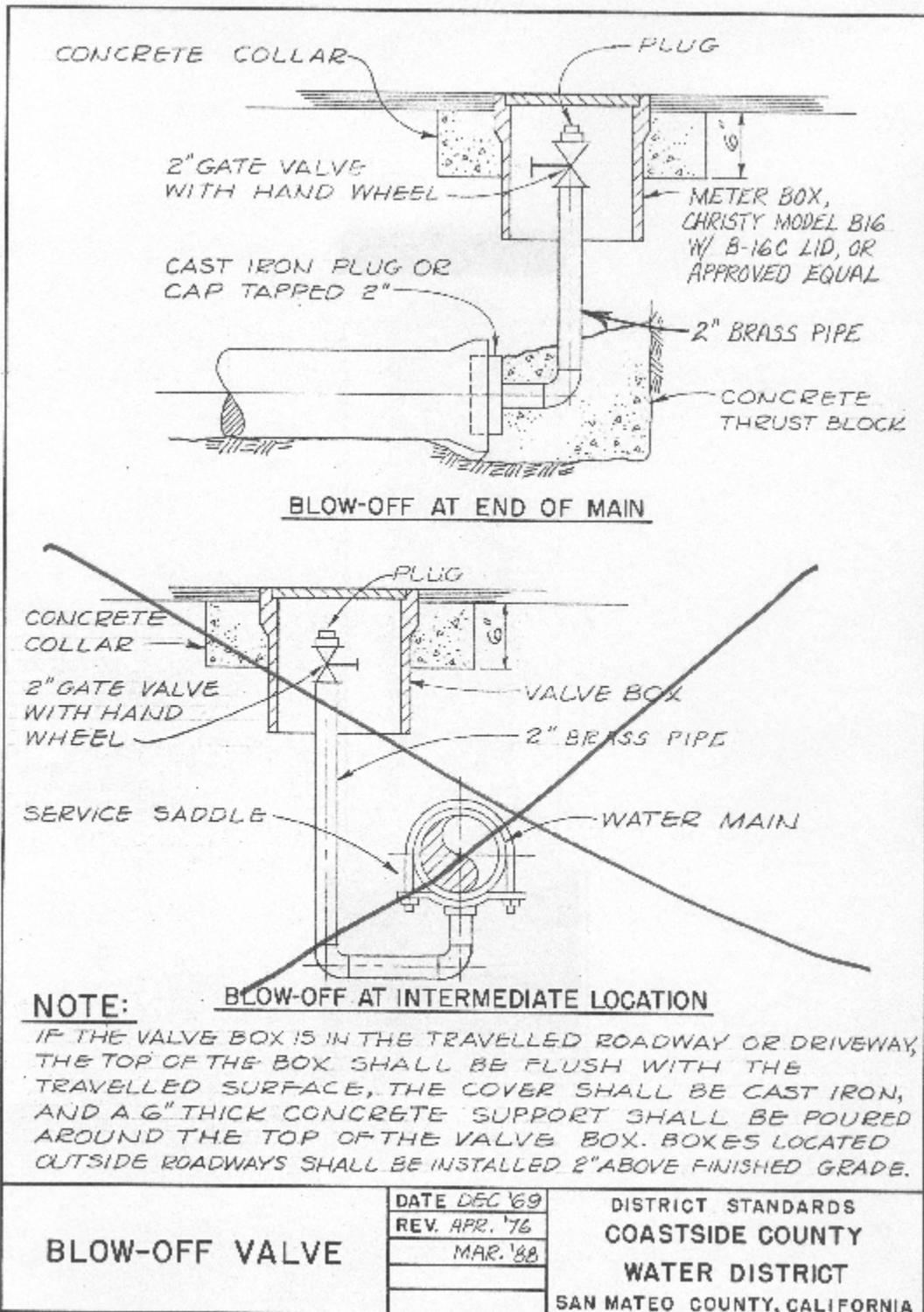
3.11 AS-BUILT DRAWINGS

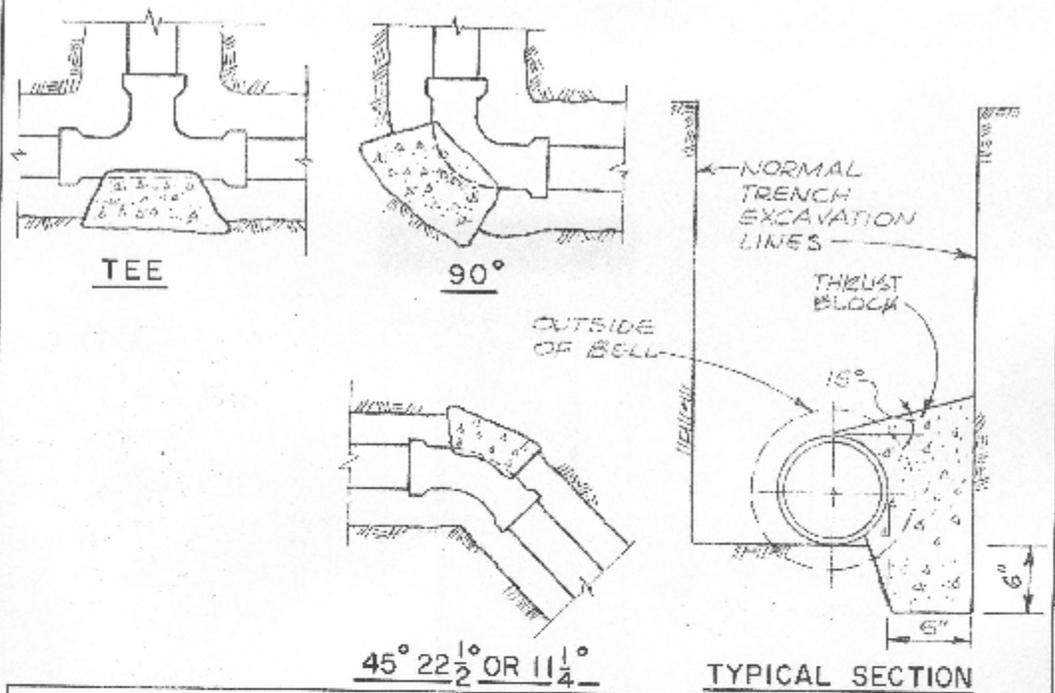
- A. Prior to project acceptance, the Contractor shall provide the District with a set of the project drawings marked for As-Built conditions. The as-built markings shall include the following (1) all changes made to the project drawings during construction, (2) field measurements locating the actual location of the pipeline horizontally from property corners and other surface facilities, (3) horizontal distance of each valve from a minimum of 2 permanent surface facilities such as utility poles, curb and gutter, etc., (4) depth of cover for the pipeline at all locations, as constructed, and (5) the locations of all underground facilities encountered during construction including horizontal location and depth of cover. In addition, documentation shall be provided describing each location where a sanitary sewer pipeline passes over a water pipeline.

3.12 CCWD STANDARD INSTALLATION DETAILS AND SPECIAL
INSTALLATION DETAILS

- A. General. Installation of piping and appurtenances shall be in conformance with CCWD Standard Installation Details and special installation details prepared by the CCWD for the project. If there are conflicts between the CCWD Standard Installation Details and the project Improvement Plans, conflict resolution shall be performed by the CCWD District Engineer.
- B. Standard Installation Details. Details known to be required for the Pipeline Extension to 411 Church Street project are described below and attached to this specification document.
 - 1. Blow-Off Valve.
 - 2. $\frac{3}{4}$ " Domestic Service Connection with 1" Fire Service Connection.
Location of service connection facilities shall be as generally as shown on the project Site Plan drawing. The exact locations shall be as determined by CCWD field personnel in the field.
 - 3. Horizontal Thrust Blocks.
- C. Special Installation Details. There are no special installation details known to be required for this project. If required, special installation details will be prepared by the District and provided to the Contractor.

END OF WRITTEN DOCUMENT
(Standard Installation Details Follow)





MINIMUM REQUIRED BEARING AREA AGAINST UNDISTURBED EARTH WALL

PIPE SIZE	AREA IN SQUARE FEET AT FITTINGS				
	TEE CROSS	90°	45°	22 1/2°	11 1/4°
6	3	5	3	2	2
8	6	8	4	2	2
10	8	11	6	3	2
12	11	15	8	4	2
16	18	25	14	7	4

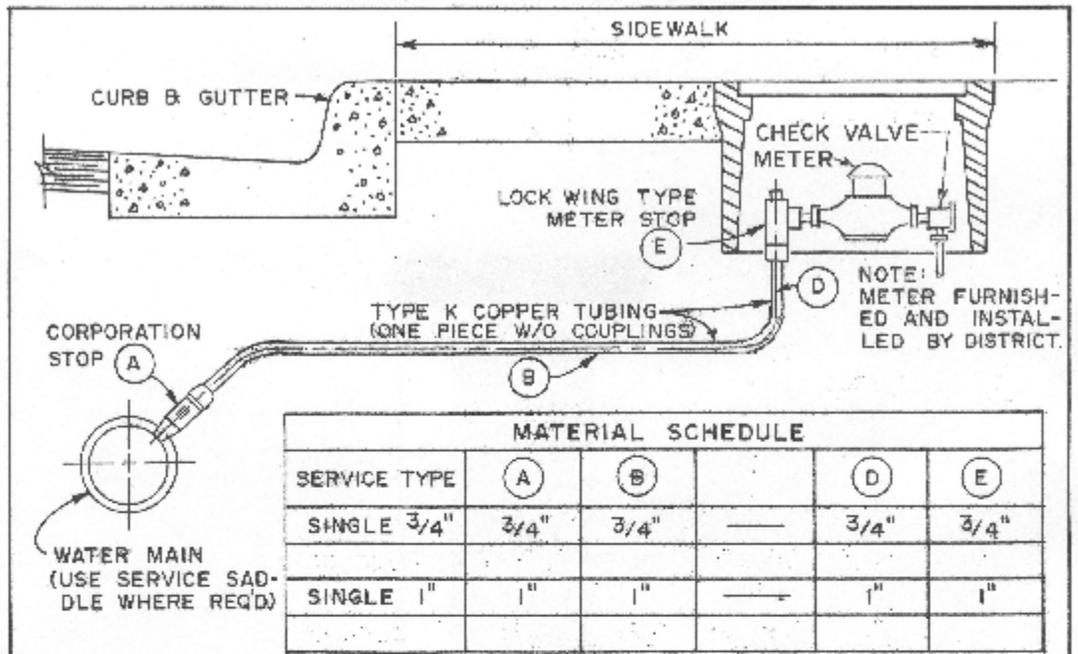
NOTES:

1. THRUST BLOCKS SHALL BE PLAIN CONCRETE POURED AGAINST UNDISTURBED EARTH.
2. CAPS AND PLUGS SHALL HAVE THRUST BLOCKS WITH AREAS AS SPECIFIED FOR TEES. CAPS, PLUGS, FLANGES, AND MECHANICAL JOINTS SHALL BE COVERED WITH 8 MILS OF POLYETHYLENE BEFORE THRUST BLOCKS ARE POURED.
3. AREA IS IN A PLANE AT RIGHT ANGLES TO THE LINE OF RESULTANT THRUST.
4. THRUST BLOCKS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING VALUE OF 3000 LB/S.F. AND 200 P.S.I.G. TEST PRESSURE. AREAS SHALL BE INCREASED FOR SOILS WITH LOWER BEARING VALUES OR FOR HIGHER TEST PRESSURE.

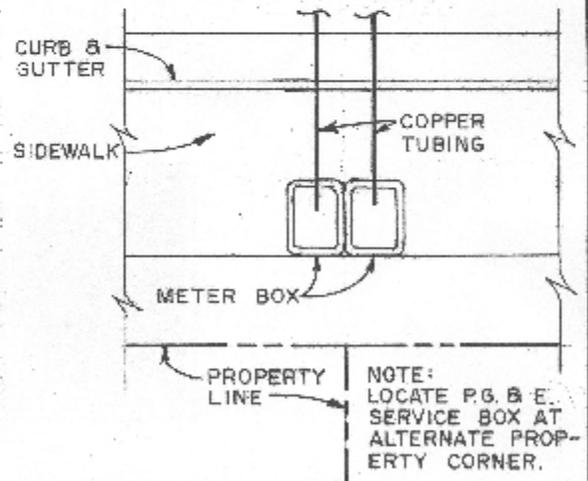
HORIZONTAL THRUST BLOCKS

DATE SEPT. 69
REV. APR. 72

DISTRICT STANDARDS
COASTSIDE COUNTY
WATER DISTRICT
SAN MATEO COUNTY, CALIFORNIA



TYPICAL INSTALLATION DETAIL



TYPICAL LOCATION DETAIL

3/4" DOMESTIC SERVICE CONNECTION WITH 1" FIRE SERVICE CONNECTION	DATE: DEC. '75	DISTRICT STANDARDS COASTSIDE COUNTY WATER DISTRICT SAN MATEO COUNTY, CALIFORNIA
	REV.: MAR. '83	
	MAR. '08	
	JULY '09	

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: January 12, 2010

Report

Date: January 7, 2010

Subject: Fiscal Year 2009-2010 CIP Projects Update

Recommendation:

None. Information only.

Background:

The approved Fiscal Year 2009-2010 Capital Improvement Program (CIP) budget included fiscal year expenditures of \$3,337,000 on CIP projects. The attached table shows CIP projects budgeted for FY09-10, amounts expended to date (as of November 30, 2009), projected year-end expenditures, and project status.

Based on CIP progress to date, we project that year-end CIP expenditures on budgeted projects will be about \$2.2 million. Major contributors to the variance between budgeted and projected expenditures include:

- AMR implementation is not included in the projections because the Board has not yet approved this 3-year program (\$400,000 in FY09-10). We plan to present this to the Board for approval at the February 9 meeting.
- Construction on the Nunes Short-Term Improvements Project will begin later than anticipated, reducing this year's cash flow for the project.
- Expenditures for design of the Denniston treatment plant improvements will be lower than planned in this fiscal year.

Capital expenditures will also include costs of about \$100,000 for FY08-09 projects paid in FY09-10, and an additional amount, currently estimated at \$77,000 for necessary projects which were not included in the FY09-10 budget.

Projected FY09-10 capital project expenditures are likely to consume all or most of the \$2.6 million currently held in the District's Capital Expenditure Reserve. This confirms the need identified in the Bartle Wells financing plan for the District to complete a borrowing before the end of this fiscal year.

**COASTSIDE COUNTY WATER DISTRICT
APPROVED CAPITAL IMPROVEMENT PROJECTS
FISCAL YEAR 2009-2010**

30-Nov-09

Approved CIP Budget FY 09/10	Actual To Date FY 09/10	Projected Year-End FY 09/10	Project Status/ Comments
---	--	--	-------------------------------------

PIPELINE PROJECTS

Main Street/Hwy 92 Widening Project	\$ 20,000			
-------------------------------------	-----------	--	--	--

WATER TREATMENT PLANTS

Denniston Intake Maintenance	\$ 80,000	\$ 89,820	\$ 89,820	Denniston dredging project completed
Denniston WTP - Intake Construction	\$ 100,000		\$ 25,000	Completed design for intake modifications. Evaluating required permitting. Possible in-house project.
Nunes - Floc Drive Repair	\$ 50,000		\$ 50,000	Floc drives are on order
Nunes Filter Media Replacement	\$ 50,000	\$ 14,346	\$ 50,000	Contract has been awarded

FACILITIES & MAINTENANCE

District Space Planning	\$ 25,000			No plans to pursue this effort this year.
AMR Program	\$ 400,000			Need to present business case to facilities committee and Board
PRV Valves Replacement Project	\$ 20,000	\$ 20,639	\$ 20,639	On-going program
Meter Change Program	\$ 18,000	\$ 17,574	\$ 17,574	On-going program
Fire Hydrant Replacement	\$ 40,000		\$ 20,000	Planned flushing program will reduce in-house resources available for fire hydrant replacement
Pilarcitos Culvert Repair	\$ 200,000	\$ 105,745	\$ 105,745	Project was completed under planned budget

EQUIPMENT PURCHASE & REPLACEMENT

Vehicle Replacement	\$ 28,000		\$ -	We will not be replacing any vehicles this year.
Computer System	\$ 5,000		\$ 5,000	
Office Equipment/Furniture	\$ 3,000		\$ 3,000	
SCADA/Telemetry/electrical controls	\$ 250,000	\$ 6,302	\$ 200,000	Pre-design complete. Will bring design contract (\$90K) to Board in January, target rfp issuance for March, contract award May.

PUMP STATIONS / TANKS / WELLS

Alves Tank Recoating (Interior/Exterior)	\$ 300,000		\$ 300,000	Need flow/pressure test to determine need for temporary pump station (by 1/15). RFP by 1/31, award contract at March meeting. Target completion by FY end.
Cahill Tank Ladder Replacement	\$ 15,000		\$ 15,000	Obtaining quotes now.
Crystal Springs Check Valve Repair/Replacement	\$ 100,000		\$ 100,000	Board approved purchase of valve. Now proceeding with re-design of vault lid required before work can be done.

**COASTSIDE COUNTY WATER DISTRICT
APPROVED CAPITAL IMPROVEMENT PROJECTS
FISCAL YEAR 2009-2010**

30-Nov-09

	Approved CIP Budget FY 09/10	Actual To Date FY 09/10	Projected Year-End FY 09/10	Project Status/ Comments
Crystal Springs Re-roof and Paint	\$ 50,000		\$ 50,000	Obtaining quotes. Target completion by FY end.
Crystal Springs Soft Starts 1 & 3	\$ 25,000	\$ 156	\$ 35,000	Contract awarded to Calcon Systems.
EG Tank #1 Pump Station Pump Replacement	\$ 23,000		\$ 23,000	Evaluating need for larger pump.
EG Tank #1 Security Fence	\$ 20,000		\$ 20,000	
Hazen's Tank Fence Upgrade	\$ 10,000		\$ 10,000	
Miramar Tank Interior Recoating/Mixing	\$ 230,000	\$ 87,081	\$ 250,000	Work in progress, will be completed by February. Condition of tank required change orders.
New Pilarcitos Well	\$ 25,000		\$ 25,000	Will propose using budget for a design study to look at maximizing well field yield.
Pilarcitos Canyon Blending Station	\$ 100,000	\$ 13,641	\$ 100,000	Kennedy Jenks preparing design documents. RFP February, award March.
Well Rehabilitation	\$ 40,000	\$ 27,111	\$ 40,000	

NUNES/ DENNISTON WTP PRIORITY (SHORT-TERM) IMPROVEMENTS

Nunes / Denniston Short Term WTP Modifications	\$ 600,000	\$ 20,220	\$ 300,000	We have awarded contracts totalling about \$1.4 million for this project. Contractor's schedule will limit cash flow in current FY.
--	------------	-----------	------------	---

DENNISTON WTP (LONG-TERM) IMPROVEMENTS (MEMBRANE FILTRATION)

Denniston Pre/Post Treatment Design	\$ 350,000	\$ 29,819	\$ 200,000	KJ preparing 30% design at cost of about \$100K. We will bring final design contract to Board in January-February.
-------------------------------------	------------	-----------	------------	--

NUNES WTP (LONG-TERM) IMPROVEMENTS (UV DISINFECT)

Modify Filters for Rate of Flow Control	\$ 10,000			Evaluating the need for this project.
---	-----------	--	--	---------------------------------------

WATER SUPPLY DEVELOPMENT

Reclamation Project Planning	\$ 100,000	\$ 14,827	\$ 100,000	Work to be done in this FY includes preparing project description, costs estimates, initial CEQA work, transmission system design.
Water Supply Alternatives Evaluation	\$ 50,000		\$ 50,000	Propose dedicating this budget to Water Supply Master Plan effort and Urban Water Management Plan. Will bring proposal to Board in February.

TOTALS	\$ 3,337,000	\$ 447,281	\$ 2,204,777	
---------------	---------------------	-------------------	---------------------	--

**COASTSIDE COUNTY WATER DISTRICT
 APPROVED CAPITAL IMPROVEMENT PROJECTS
 FISCAL YEAR 2009-2010**

30-Nov-09

Approved CIP Budget FY 09/10	Actual To Date FY 09/10	Projected Year-End FY 09/10	Project Status/ Comments
------------------------------------	-------------------------------	-----------------------------------	-----------------------------

FY 08/09 CIP Projects - paid in FY 09/10

Office Equipment - Furniture	\$ 7,566	\$ 7,566	
Denniston Storage Tank Modification Project	\$ 54,569	\$ 54,569	
Nunes (was Denniston) Cl2/ph Analyzer	\$ 7,421	\$ 7,421	
Skylights	\$ 11,286	\$ 11,286	
El Granada Pipeline P3	\$ 14,990	\$ 14,990	
	\$ 95,833	\$ 95,833	

NON-BUDGETED ITEMS (CAPITAL EXPENDITURES) FOR CURRENT FISCAL YEAR 09/10

Nunes - Generator Radiator	\$ 182	\$ 17,500	
Installation of Base Stations (3) & Replacment at Dist. Office	\$ 9,529	\$ 9,529	
Denniston Filter Media		\$ 50,000	
	\$ 9,711	\$ 77,029	

TOTALS	\$ 552,825	\$ 2,377,639	
---------------	-------------------	---------------------	--

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: January 12, 2010

Report

Date: January 7, 2010

Subject: Mid-Year Financial Review

Recommendation:

None.

Background:

A review of Fiscal Year 2009-1010 year-to-date budget performance (see Attachment A) shows that the District is performing close to the approved budget. Mid-year revenues are lower than budget by \$220,000 (5.8%), and operating expenses are \$148,000 (5.0%) under budget. Based on this review, staff projects that the District should finish the year on budget.

Significant variances include:

Revenue -

- Water revenue is 2.5% under budget
- Sale of service connections is \$229,000 under budget, due to timing of connection sales, which will not take place before May 2010.
- Tax apportionment revenue is 194,000 over budget because the State did not impose the anticipated Prop 1A reduction.
- ERAF refund was \$100,000 under budget. This revenue was budgeted for December and we did not receive the payment.

Operating Expenses -

- SFPUC water purchases are \$18,000 (2%) over budget due to limited production from Denniston.
- Denniston operation and maintenance expenses aer about \$55,000 under budget because the plant has not been running.
- Nunes operating expenses are over budget due to higher use of SFPUC source.
- Personnel-related expenses are under budget due to pay period timing.

COASTSIDE COUNTY WATER DISTRICT - PERIOD BUDGET ANALYSIS

July 1, 2009 - December 31, 2009

ACCOUNT	DESCRIPTION	YTD ACTUAL	YTD BUDGET	B/(W) VARIANCE	B/(W) % VAR
REVENUE					
1-0-4120-00	Water Revenue -All Areas	3,132,678	3,213,659	(80,981)	(2.5%)
1-0-4170-00	Water Taken From Hydrants	10,203	12,500	(2,297)	(18.4%)
1-0-4180-00	Late Notice -10% Penalty	26,773	25,000	1,773	7.1%
1-0-4230-00	Service Connections	3,166	229,000	(225,834)	(98.6%)
1-0-4235-00	CSP Connection T & S Fees	3,485	0	3,485	0.0%
1-0-4920-00	Interest Earned	15,806	32,775	(16,968)	(51.8%)
1-0-4930-00	Tax Apportionments/Cnty Checks	344,142	150,000	194,142	0.0%
1-0-4950-00	Miscellaneous Income	13,812	18,500	(4,688)	(25.3%)
1-0-4955-00	Cell Site Lease Income	52,222	41,100	11,122	27.1%
1-0-4965-00	ERAF REFUND -County Taxes	0	100,000	(100,000)	0.0%
REVENUE TOTALS		3,602,286	3,822,533	(220,247)	(5.8%)
EXPENSES					
1-1-5130-00	Water Purchased	904,988	887,142	(17,846)	(2.0%)
1-1-5230-00	Pump Exp, Nunes T P	8,781	9,500	719	7.6%
1-1-5231-00	Pump Exp, CSP Pump Station	196,863	199,588	2,725	1.4%
1-1-5232-00	Pump Exp, Trans. & Dist.	6,374	11,215	4,841	43.2%
1-1-5233-00	Pump Exp, Pilarcitos Can.	1,426	2,231	805	36.1%
1-1-5234-00	Pump Exp. Denniston Proj.	3,552	20,867	17,315	83.0%
1-1-5235-00	Denniston T.P. Operations	4,048	11,787	7,739	65.7%
1-1-5236-00	Denniston T.P. Maintenance	8,697	18,555	9,858	53.1%
1-1-5240-00	Nunes T P Operations	41,661	34,933	(6,728)	(19.3%)
1-1-5241-00	Nunes T P Maintenance	35,284	18,996	(16,288)	(85.7%)
1-1-5242-00	CSP Pump Station Operations	3,830	4,248	418	9.8%
1-1-5243-00	CSP Pump Station Maintenance	12,442	13,878	1,436	10.3%
1-1-5250-00	Laboratory Services	20,309	37,500	17,191	0.0%
1-1-5318-00	Studies/Surveys/Consulting	27,344	11,272	(16,072)	(142.6%)
1-1-5321-00	Water Conservation	27,472	30,325	2,853	9.4%
1-1-5322-00	Community Outreach	6,262	14,350	8,088	56.4%
1-1-5411-00	Salaries & Wages -Field	444,338	453,837	9,499	2.1%
1-1-5412-00	Maintenance -General	68,801	99,248	30,447	30.7%
1-1-5414-00	Motor Vehicle Expense	24,461	23,750	(711)	(3.0%)
1-1-5415-00	Maintenance -Well Fields	2,713	7,500	4,787	63.8%
1-1-5610-00	Salaries/Wages-Administration	301,732	323,304	21,571	6.7%
1-1-5620-00	Office Supplies & Expense	51,593	65,575	13,982	21.3%
1-1-5621-00	Computer Services	27,709	23,925	(3,784)	(15.8%)
1-1-5625-00	Meetings / Training / Seminars	11,062	10,000	(1,062)	(10.6%)
1-1-5630-00	Insurance	257,124	267,915	10,792	4.0%
1-1-5640-00	Employees Retirement Plan	202,754	223,875	21,121	9.4%
1-1-5645-00	SIP 401K Plan	0	10,000	10,000	100.0%
1-1-5681-00	Legal	23,796	26,000	2,204	8.5%
1-1-5682-00	Engineering	6,355	7,500	1,145	15.3%
1-1-5683-00	Financial Services	19,863	15,500	(4,363)	(28.1%)
1-1-5684-00	Payroll Tax Expense	51,191	56,073	4,882	8.7%
1-1-5687-00	Membership, Dues, Subscript.	24,840	31,907	7,067	22.1%
1-1-5688-00	Election Expenses	0	0	0	0.0%
1-1-5689-00	Labor Relations	6,000	6,000	0	0.0%
1-1-5700-00	San Mateo County Fees	7,531	10,800	3,269	0.0%
1-1-5705-00	State Fees	8,669	9,500	831	0.0%
TOTAL OPERATING EXPENSE		2,849,863	2,998,596	148,733	5.0%

COASTSIDE COUNTY WATER DISTRICT - PERIOD BUDGET ANALYSIS
July 1, 2009 - December 31, 2009

ACCOUNT	DESCRIPTION	YTD ACTUAL	YTD BUDGET	B/(W) VARIANCE	B/(W) % VAR
1-1-5711-00	Debt Srvc/Existing Bonds 1998A	245,610	245,610	0	0.0%
1-1-5712-00	Debt Srvc/Existing Bonds 2006B	334,163	332,286	(1,877)	(0.6%)
1-1-5713-00	Contribution to CIP & Reserves	258,728	258,728	0	0.0%
1-1-5745-00	CSP Connect. Reserve Contribu.	3,485	0	(3,485)	
1-1-5746-00	Wavecrest CSP Connt. Reserve	0	0	0	0.0%
TOTAL NON-OPERATING EXPENSE		841,986	836,624	(5,362)	(0.6%)
EXPENSE TOTALS		3,691,849	3,835,220	143,371	3.7%
NET INCOME		(89,563)	(12,687)	-76,876	

STAFF REPORT

To: Coastside County Water District Board of Directors
Via David Dickson, General Manager

From: Joe Guistino

Agenda: January 12, 2010

Report

Date: January 6, 2010

Subject: Award of Contract - Denniston Filter Evaluation

Recommendation:

Direct Staff to award contract for media removal, underdrain inspection, and media replacement for the Denniston Water Treatment Plant (WTP) pressure filters to ERS Industrial Services, Inc. for \$48,264.96.

Background:

The Denniston WTP was shut down on 9 December to determine the cause of poor backwash and insufficient cleaning of the filters. Upon opening the plumbing to the underdrain system, we discovered an accumulation of excess media fines, indicating a possible failure of the underdrain system. The media in the underdrain is the most likely cause for the restricted backwash rates and subsequent ineffective cleaning of the filters. We have solicited bids from ERS, Roberts Filters and Cowan and Thompson to evaluate the filter media and inspect the underdrain system to determine the cause of the problem. We received bids back from ERS and Roberts Filters, with ERS coming in as the low bid (copy of bid attached).

Fiscal Impact:

Cost of approximately \$50,000. This work was unanticipated and was not included in the FY2009-2010 operations budget.



January 7, 2010

Mr. Steve Twitchell

Coastside Water District
766 Main Street
Half Moon Bay, CA. 94019

QUOTE # 121409-1Q

Fax: 650-726-5245

Email: stwitchell@coastsidewater.org

Dear: Steve

ERS is pleased to submit its proposal for our TurnKey Service on your 3 each 8' x 22' single cell Pressure Vessels.

Our service includes slurry removal, packaging and storage on-site of existing media, interior filter cleaning, inspection and cleaning of existing underdrains. Then we will reinstall Underdrains and media with new gravels.

ERS to provide:

- 1) Qualified Manpower
- 2) Forklift
- 3) Disposal and disposal transport
- 4) High power industrial vacuum system
- 5) Confined space equipment as follows:
 - a) Supervisor/Environmental Technician/Hole watch
 - b) Ventilation fan for air circulation
 - c) Tripod/winch for emergency evacuation
 - d) Four gas monitor for pre-entry testing, as well as for continuous testing
 - e) 2-way Radios for communication with in-tank personnel
 - f) Cellular phone as an emergency response tool
 - g) Half-face cartridge type respirators (Supplied air respirators available if required)
 - h) Harnesses with safety ropes for all men
 - i) Daily monitoring log
 - j) Complete and post-confined space entry permit (if required)

- 6) New media as follows:
- a) ¼ x 1/8 Filter Gravel
 - b) #6 x #12 Filter Gravel
 - c) Greensand
 - d) .80-.90-mm<1.5uc Anthracite

PRICING:

\$48,264.96

Quote Valid for 45 days

Our time and materials work is billed at \$89.00 per man-hour, straight time, plus materials with a 20% margin. Price includes all applicable sales tax.

Please feel free to call me should you need further information or any clarification. My car phone is 510-552-5301; office is 510-770-0202.

Sincerely,

Rick D. Langlois
Vice President Sales

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: January 12, 2010

Report

Date: January 7, 2010

Subject: Approval of Contract for SCADA Design

Recommendation:

Authorize execution of a contract with Frisch Engineering for SCADA design for an estimated cost of \$73,530.

Background:

District-wide upgrade of instrumentation and electrical controls systems (Systems Control and Data Acquisition, or SCADA) is a high-priority element of our Capital Improvements Program. The approved FY09-10 to FY18-19 CIP contains a total of \$1.1 million for SCADA, including \$250,000 in Fiscal Year 2009-2010. This work includes replacing obsolete electrical controls and instrumentation at the District's plants, reservoirs and pump stations, installing a new radio-based data communications infrastructure covering all key facilities, and automating plant controls at Nunes and Denniston.

Working under a contract awarded in October 2008, Frisch Engineering has completed a SCADA pre-design project. The purpose of this project was to provide a basis for SCADA system design by defining the scope and costs of SCADA system needs and evaluating radio system communication capabilities between District facility locations. Frisch submitted the SCADA pre-design report in July 2009.

Staff now proposes to retain Frisch Engineering to complete the final SCADA design. The attached proposal defines the scope and estimated cost of this effort. Frisch has agreed to expedite the design work in order to allow issuing a request for bids in March.

Fiscal Impact:

Cost of approximately \$73,530. FY 2009-2010 CIP includes \$250,000 for SCADA work.



FRISCH ENGINEERING, INC.

Consulting Electrical Engineers
110 Blue Ravine Road, Suite 101
Folsom, CA 95630

Phone 916.353.1025
Fax 916.353.1028

December 21, 2009

Mr. David Dickson
Coastside County Water District
766 Main Street
Half Moon Bay, CA 94019

Location: Coastside County Water System
Subject: Remote Sites SCADA Design

Mr. Dickson,

Frisch Electrical Engineering Inc. is pleased to submit this proposal to perform the electric power and control system design services for the Remote Sites SCADA Design project. The following lists the electrical and control system design services:

Design Services

We will design site improvements to integrate new RTUs, antennas and instrumentation into each site listed in the table below. We will develop a site plan for each site and show the improvements that are required for RTU panel, instrumentation, and antenna. Each site design will include connection to existing motor controls and instrumentation or new instrumentation where needed. We will use the information and analysis created in the predesign report of July 2009. The following sites are included in the design.

<u>Repeater Sites</u>	<u>Inc</u>	<u>Remote Sites</u>	<u>Inc</u>
Alves Tank	Yes	Crystal Springs	Yes
Nunes WTP	Yes	Alves Pump Station	Yes
Crystal Springs PS	Yes	Denniston Well 1	No
Denniston Well 9	Yes	Denniston Well 3	No
El Granada Tank 2 and PS	Yes	Denniston Well 4	No
Skylawn Repeater (solar site)	Yes	Denniston Well 5	No
		Pilarcitos Well 1	No
		Pilarcitos Well 3	No
<u>Tanks</u>		Pilarcitos Well 3a	No
Denniston WTP and Tank	Yes	Pilarcitos Well 4	No
Hazens Tank	No	Pilarcitos Well 4a	No
El Granada Tank 1 and PS	Yes	Pilarcitos Well 5	No
El Granada Tank 3	Yes	Pilarcitos Well Blending	Yes
Miramar Tank	Yes	Wave Pump Hook-up	No
Miramontes Tank	Yes		
Cahill Tank (solar site)	Yes		
<u>SCADA Locations</u>			
766 Main Street (network ready)	Yes		
Nunes WTP (network ready)	Yes		

The following drawings and specifications will be included in the design.

1. Site Visits and Design meetings
2. Electrical Design Drawings
 - A. Electrical and instrumentation symbols and abbreviations.
 - B. Control panel layout drawings:
 1. Wall mount (indoor/outdoor)
 2. Pad mount (outdoor)
 - C. Control panel wiring diagrams.
 1. PLC Control Panel typical (large)
 2. PLC Control Panel typical (small)
 - D. Site Plan drawings:
 1. One drawing per site for small sites
 2. Two drawings for pump stations and plants.
 - E. Detail drawings:
 1. Pad mounted electrical equipment.
 2. Instrumentation (flowmeters, pressure transmitters, etc.)
 3. Underground conduit
 4. Conduit transition through grade
 5. Pull box installation.
 6. Ground rod installation.
 7. Antennas
 - a. Pole mount (25, 35, and 50 ft)
 - b. Wall mount (20 ft on building wall)
 - c. Roof mount (for Nunes and Main Office)
3. Provide the following schedules:
 - A. Conduit & wire
 - B. Instrumentation
4. Provide electrical specifications for the following:
 - A. General Electrical Materials
 - B. Conduit, Boxes and Grounding
 - C. Wire, Fuses and Terminal Blocks
 - D. Communications System, (antenna, cable, radio, etc.)
 - E. Factory and Field testing.
 - F. Control Panel Components

- G. PLC and Operator Interface Hardware
 - H. PLC an Operator Interface Applications Programming
 - 1. PLC I/O list per site
 - I. SCADA System Hardware and Software
 - J. SCADA System Programming Description
 - K. Instrumentation (flowmeters, pressure transmitters, etc)
 - L. Other electrical components.
- 5. Provide electrical construction cost estimate.
 - 6. Bid Services and Addenda.
 - A. Prebid meeting

Assumptions

- We have assumed one bid package, one project for construction.
- This proposal is for design services only. Construction is by contractor.
- We need to create the electronic site plans for all sites. We will use pictures, google earth, field measurements and documentation that you have in preparation of the site plans.
- Antennas at the Main Office, Skylawn, Cahill, Crystal Springs, and Well 9, will be no more than 50 feet due to additional Structural design work which is not included. We can include higher antennas if desired for an additional fee. Taller antennas are not required per our radio survey and would only be needed if the District required them for other reasons.
- The District will provide template front end (non-technical) documents for the specifications, and will review them prior to production.
- Copying and binding of construction documents is not included.
- Our standard insurance coverage limits for general liability and E&O liability at \$1,000,000 per occurrence and \$1,000,000 aggregate are sufficient.
- Anticipated design time for this project is 4 months including your review period(s). If delays outside our control cause design time extension beyond 8 months, then hourly cost increases and/or remobilization charges may be applicable.
- Rate escalation of 5% per hour is scheduled for January 1, 2011 and each anniversary thereafter. Escalated rates will only apply to extra work performed after January 1, 2011.
- Hourly rates include overhead costs such as telephone, photocopies, computer costs, copying, and insurance. The field hourly rates include travel costs (owned vehicle) for on-site work.
- Hourly rates do not include expenses such as rental equipment, airline tickets, rental vehicles, lodging, non-incidentual photocopying and materials. Miscellaneous expenses will be billed at cost + 10%.

Deliverables

- All drawings will be produced in AutoCAD. Delivered PDF and paper.
- Specifications will be produced in Microsoft Word, CSI format. Delivered PDF and paper.

- Submittals at 75%, 95% and 100% design stages. Three paper copies included at each submittal. Additional copies available for \$100 each.
- Written response to design review comments (1).

Terms

- As defined per contract, contract by Client.
- This is a time and materials quotation with anticipated budget of hours and costs. We anticipate that we can perform the scope as described within our budget. If the Client's needs or project circumstances cause us to exceed our anticipated budget, we will make every effort to inform the Client in advance of work for authorization.
- Client will pay for all authorized and properly performed services as defined in this quotation.
- Client will be invoiced monthly based on project progress.
- Changes to project scope may result in increased or reduced costs.

Electrical Engineering Costs

Frisch Engineering is pleased to offer this quotation for your consideration. This quotation is for design services only. We will gladly quote programming or services during construction such as submittal review, electrical inspection, and management after the design is complete. Please give me a call if you have any questions or require further information.

See attached Quotation

Sincerely,



Thomas P. Frisch, P.E.
Electrical Engineer

I agree to project scope, assumptions, deliverables and terms and authorize Frisch Engineering to proceed:

X _____

Title: _____ Date: _____



FRISCH ENGINEERING, INC.

Consulting Electrical Engineers
110 Blue Ravine Road, Suite 101
Folsom, CA 95630

Phone 916.353.1025
Fax 916.353.1028

PROFESSIONAL ENGINEERING SERVICES COST ESTIMATE

JOB TITLE: Remote Site SCADA System
CLIENT: Coastside County Water District

DATE: 12/21/2009

Task Description	Engineering Discipline			Total hours per task	cost per task
	Field Engineer	Office Engineer	Technical Assistant		
1 Site Visits and Meetings	32	2	32	66	\$7,110.00
2~5 75% design PS&E	0	187	225	412	\$40,653.00
2~5 95% design PS&E	0	94	75	169	\$17,139.00
2~5 100% design PS&E	0	31	16	47	\$4,948.00
6 Bid Services and Addenda	16	8	8	32	\$3,680.00
Subtotal Hours	48	322	356	726	
Hourly rate per discipline	<u>\$130</u>	<u>\$115</u>	<u>\$85</u>		<u>Subtotal Costs</u>
Total cost per discipline	\$6,240	\$37,030	\$30,260		\$73,530.00
Other Direct Costs					
Office Expenses/Printing/Reproduction				\$0	
Additional Travel Expense and Per Diem				\$0	
Subtotal other direct Costs				\$0.00	
Total Costs					\$73,530.00

Individual tasks cost are approximate and some cost shifting between tasks may be necessary

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: January 12, 2010

Report

Date: January 7, 2010

Subject: Water Reclamation Update

Recommendation: None. Information only.

Background:

Activities related to water reclamation project development include the following:

1. **Bay Area Recycled Water Coalition:** BARWC has issued an update of its project flyer (copy attached) which includes the Midcoast Region Water Recycling Project. I attended the monthly BARWC meeting on January 7 and reconfirmed my impression that obtaining Federal funding for water recycling is a slow, cumbersome process with no guarantee of success. After the passage of HR 2442 authorizing six projects (see "Projects Seeking Authorization" in the flyer), BARWC and its Washington lobbyist are working toward passage of the Senate authorization bill. It appears likely that the Senate bill will not pass until the end of this year, thus ensuring that these projects will have no prospect of obtaining appropriations in Fiscal Year 2011. The uncertainty of the Federal grant process dictates that we design a water recycling project that can move forward independent of outside funding.
2. **SAM Effluent Sampling Program:** Planning and designing the recycled water project will require more data on Sewer Authority Mid-Coastside (SAM) effluent than SAM has typically collected in the past. Working with SAM staff, we have initiated a sampling program to determine the suitability of SAM's effluent for agronomic use. CCWD will administer the program and pay for the laboratory analyses. SAM staff will be responsible for collecting the samples.
3. **Principles of SAM-CCWD Agreement:** We have been working with SAM staff to draft agreement principles that can be adopted by the SAM and CCWD boards as a basis for a recycled water agreement between the two agencies. We anticipate that the SAM Board will consider the principles at their meeting on January 25 and that we will bring them to the CCWD Board on February 9.



San Francisco Bay Area Recycled Water Coalition

Project Summary



PROJECTS, PARTNERS AND COMMUNITIES SERVED	CONGRESSIONAL DISTRICT REPRESENTATIVES	PROJECT DETAILS	YIELD (acre-feet/year)		TOTAL PROJECT COST AND (Federal Share) ¹	
			PROJECT	FUTURE		
Authorized in Public Law 110-229: Seeking Amendment in HR 2442 & S 1138						
Antioch Recycled Water Project • Delta Diablo Sanitation District • City of Antioch	Rep. John Garamendi (CA-10)	<ul style="list-style-type: none"> Facilities: 6 miles of piping, 1.1 MG storage tank, pump station Status: Title XVI Feasible, NEPA complete, Design complete, construction to begin in July 2009 	530	850	\$ 12.5 M (\$ 0.875 M)	
South Bay Advanced Recycled Water Treatment Facility • Santa Clara Valley Water District • City of San José • City of Los Gatos • City of Cupertino • City of Santa Clara • City of Campbell • City of Saratoga • City of Milpitas • City of Monte Sereno	Rep. Jerry McNerney (CA-11), Rep. Fortney "Pete" Stark (CA-13), Rep. Anna Eshoo (CA-14), Rep. Mike Honda (CA-15), Rep. Zoe Lofgren (CA-16)	<ul style="list-style-type: none"> Facilities: 10 MGD microfiltration & 8 MGD reverse osmosis advanced treatment facility Status: Title XVI Feasibility in progress, NEPA pending, 60% Design 	6,720	28,000	\$ 53 M (\$ 5 M)	
Seeking Authorization: HR 2442 and S 1138						
CCCSD-Concord Recycled Water Project • Central Contra Costa Sanitary District • City of Concord	Rep. George Miller (CA-7), Rep. John Garamendi (CA-10)	<ul style="list-style-type: none"> Facilities: 2.5 miles of distribution piping and customer connections Status: Feasibility and NEPA in progress, Phase I design complete 	255	255	\$ 7.2 M (1.8 M)	
Central Dublin Recycled Water Distribution and Retrofit Project • Dublin San Ramon Services District • City of Dublin • Dublin Unified School District	Rep. John Garamendi (CA-10), Rep. Jerry McNerney (CA-11)	<ul style="list-style-type: none"> Facilities: 4 miles of distribution piping, retrofit of 5 schools, 3 parks and multi-family residential Status: Title XVI Feasibility in progress, NEPA pending 	215	215	\$ 4.6 M (\$ 1.15 M)	
Petaluma Recycled Water Project, Phases 2A, 2B and 3 • City of Petaluma	Rep. Lynn Woolsey (CA-6)	<ul style="list-style-type: none"> Facilities: 2.2 MG storage tank, 2 miles of piping, 1 pump station Status: Feasibility in progress, CEQA complete, Design complete 	1,610	3,280	\$ 24 M (\$ 6 M)	
Central Redwood City Recycled Water Project • City of Redwood City	Rep. Anna Eshoo (CA-14)	<ul style="list-style-type: none"> Facilities: Extend existing distribution system to west of Highway 101 Status: CEQA+ complete 	1,075	3,170	\$ 32 M (\$ 8 M)	
Palo Alto Recycled Water Pipeline Project • City of Palo Alto • City of Mountain View • City of Los Altos • City of East Palo Alto • Town of Los Altos Hills • City of Menlo Park • Stanford University	Rep. Anna Eshoo (CA-14)	<ul style="list-style-type: none"> Facilities: 5 miles of pipe and a booster pump station Status: Facility plan complete, Mitigated Negative Declaration in progress 	1,000	1,500	\$ 33 M (\$ 8.25 M)	
Ironhouse Sanitary District-Antioch Recycled Water Project • Ironhouse Sanitary District • City of Antioch	Rep. John Garamendi (CA-10),	<ul style="list-style-type: none"> Facilities: 10 miles of piping and 2 pump stations Status: Facility planning complete, CEQA+ complete 	3,920	6,050	\$ 28 M (\$ 7 M)	
To Seek Authorization						
Hayward Recycled Water Project • City of Hayward • Calpine	Rep. Pete Stark (CA-13)	<ul style="list-style-type: none"> Facilities: 1.5 miles of distribution lines and 3 miles of laterals to Calpine and 20 other customers Status: 	3,760	3,760	\$ 27 M (\$ 6.75 M)	
Mid-Coastside Region Water Recycling Project • Coastside County Water District • Sewer Authority Mid-Coastside	Rep. Anna Eshoo (CA-14)	<ul style="list-style-type: none"> Facilities: 0.8 MGD tertiary treatment facility and 1,000 foot pipeline Status: 	900	900	\$ 13.1 M (\$ 3.275 M)	
Zone 7 Water Supply Replacement Project • Zone 7 Water Agency • Delta Diablo Sanitation District	Rep. George Miller (CA-7) Rep. John Garamendi (CA-10) Rep. Jerry McNerney (CA-11)	<ul style="list-style-type: none"> Facilities: 5 MGD advanced water treatment facility and conveyance pipeline Status: 	7,800	7,800	\$ 44.4 M (\$ 11.1 M)	
		www.barwc.org	TOTALS	27,785	55,780	\$ 278.8 M (\$ 59.2 M)

RECYCLED WATER: A National Resource.



Water is an increasingly limited resource that is essential to California, one of the top 10 largest economies in the world. The State can only remain competitive and a strong contributor to the U.S. economy with investment in new water supply. Rather than compete individually for Federal partnerships, Coalition members have agreed to support each other's projects and focus on the regional benefits of developing a new water supply.

Coalition Projects Have Broad Support from California's Bay Area Congressional Delegation And Success Securing Federal Funding

Seven Coalition projects were authorized in PL 110-229 under the Bay Area Regional Water Recycling Program. These included the Mountain View/Moffett Area Pipeline Project, the South Bay Advanced Recycled Water Treatment Facility, and the Pittsburg, Antioch, North Coast County Water District, Redwood City, and South Santa Clara County Recycled Water Projects. The San Jose Area Water Reclamation and Reuse Project was originally authorized in PL 102-575 and was included in this Bay Area Regional program. These projects, totaling over 31,000 AFY near term & 77,000 when fully implemented, have received over \$37 M in Federal funds through FY 2009 (\$11.58 M), FY 2010 (\$4.215 M) and ARRA 2009 Appropriations (\$22 M). Of these 8 projects, the Mountain View, Redwood City and Pittsburg projects have completed construction. San Jose has some phases complete and additional phases being planned and constructed. The remaining projects are under construction or will be in 2010. The appropriations received will provide the full Federal cost share (25%) for all but two of these projects.

The San Francisco Bay Area Recycled Water Coalition

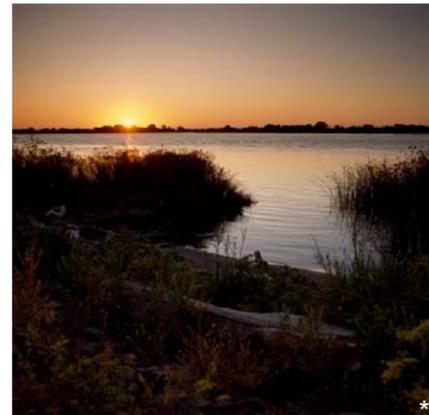


is a group of public agencies committed to developing recycled water as a resource for the San Francisco Bay Area. The Coalition is committed to pursuing highly leveraged, locally managed projects that will help ensure the security of water supplies in the western United States for years to come.

San Francisco Bay Area Recycled Water Coalition An Innovative Regional Water Management Approach

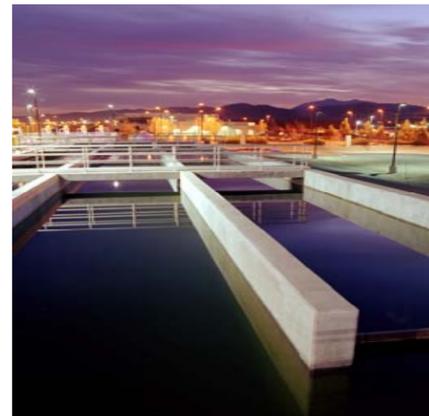


Members



Protecting the Sacramento-San Joaquin Delta System

The Bay-Delta system comprises the largest estuary on the west coast of North America, and is the source of water for 2/3rds of California (over 23 million people). San Francisco Bay Area recycled water projects benefit the Bay-Delta by reducing water withdrawals and discharges.



Reliable and Drought Tolerant Supplies

California is experiencing a severe drought with below-average rainfall, low snowmelt runoff, and court-ordered restrictions on Delta water withdrawals. Recycled water projects from urban wastewater provide reliable long-term sustainable supplies and are the most drought tolerant water supplies that can be developed. Reusing water helps preserve limited river and groundwater supplies.



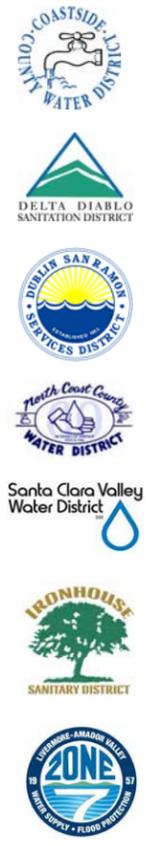
Regional Partnership Approach

Bay Area agencies have come together in an unprecedented effort to collaborate regionally, rather than compete individually for funding. State and local dollars have been committed to meeting non-Federal shares. Many projects are under construction or in "ready-to-go" status. Projects will provide over 52,000 acre-feet/year of water near-term, and over 104,000 AFY when fully implemented.



Federal Partnership is Key

These projects offer the federal government an opportunity to leverage federal funds for significant benefit. The projects help achieve objectives of the Central Valley Project Improvement Act and the Bay Delta Conservation Plan. By fully funding Reclamation's Title XVI program, Congress can ensure that local communities have the incentive to build a truly sustainable water future for the United States.



STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: January 12, 2010

Report

Date: January 8, 2010

Subject: General Manager's Report

Recommendation:

None. Information only.

Background:

For this month's report, I would like to highlight the following:

1. Midcoast LCP Update

In another chapter in the long-running negotiation between San Mateo County and the California Coastal Commission over the County's proposed update to its Local Coastal Plan, the Coastal Commission on December 10 "approved" the LCP update, subject to the County's acceptance of modifications recommended by the Coastal Commission staff. The suggested modifications represent a number of issues on which the County and Coastal Commission staff have not been able to agree. The County now has 180 days to decide whether to accept the modifications. If they do not accept, the existing LCP remains in effect.

In updating their recommended modifications to the County LCP, the Coastal Commission staff addressed two issues of significant concern to the District:

- Language that would have restricted the use of recycled water to coastal act priority uses was changed to allow any type of user to make use of recycled water if it is available.
- Water supply projects needed to serve water connections in existence as of December 9, 2009 (i.e. all of CCWD's existing connections) are exempted from significant conditions related to non-water-related infrastructure.

Staff will continue to monitor the LCP update process.

2. Connection Survey Update

In accordance with Board direction, staff mailed approximately 9,000 connection sale/purchase surveys to parcel owners in the District in the last week of December. The survey has been advertised in the Half Moon Bay Review, on the District's website, and on MCTV. To date, over 50 people have responded on-line and by mail, with a majority of respondents expressing interest in purchasing a connection. We will present the results of the survey to the Board at the February 9 meeting.

Monthly Report

To: David Dickson, General Manager
From: Cathleen Brennan, Water Resources Analyst
Agenda: January 12, 2010
Subject: Water Resources Report

This report is provided as an update on water resources activities.

□ **City of Half Moon Bay**

The Half Moon Bay City Council adopted the “Water Conservation in Landscaping Regulations” on Tuesday, January 5 2010. These regulations comply with AB 1881, which requires local planning authorities to adopt landscaping requirements that incorporate water efficiency standards.

□ **Public Policy Institute of California**

The Public Policy Institute of California has published a report titled [California Water Myths](#). This report discusses what the authors identify as eight common water myths. The authors of the report state that these myths are distracting and disruptive to public policy discussions. Please visit the report’s publication page to find related resources and the report.

<http://www.ppic.org/main/publication.asp?i=890>

□ **Summary of Meetings**

California Urban Water Conservation Council – Plenary – 12/10/2009
Bay Area Water Supply and Conservation Agency – Water Resources – 12/10/2009
Coastside County Water District – Facilities Committee – 12/22/2009
Half Moon Bay City Council Meeting – 1/5/2010

Monthly Report

To: David Dickson, General Manager
From: Cathleen Brennan, Water Resources Analyst
Agenda: January 12, 2010
Subject: Water Shortage and Drought Contingency Plan

This report is provided as an update on the implementation of the Water Shortage and Drought Contingency Plan – Stage 1 (Advisory Stage). The Advisory Stage was implemented in June of 2007. In June of 2008, Governor Schwarzenegger declared a state - wide drought. On February 27, 2009, Governor Schwarzenegger proclaimed a state of emergency due to drought conditions and the resulting water shortage.

- √ **Local Precipitation Records by Water Year.**
 - Water year 2007 was critically dry at 67% of annual historic average.
 - Water year 2008 was dry at 72% of the annual historic average.
 - Water year 2009 was dry at 78% of annual historic average.
 - Water year 2010 started on October 1 2009. Midway through the wet season, water year 2010 is 76% of normal to date.

Precipitation for Half Moon Bay														
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	
Historic Average	1.3	3.4	3.7	5.5	4.8	3.9	1.6	0.6	0.2	0.0	0.1	0.3	25.4	
	2009			2010										
Water Year 2010	3.37	0.41	2.61										6.39	
	2008			2009										
Water Year 2009	0.5	2.4	2.6	0.9	8.7	2.8	0.3	1.0	0.1	0.1	0.1	0.4	19.9	
	2007			2008										
Water Year 2008	1.8	0.9	3.2	8.8	2.7	0.3	0.2	0.1	0.0	0.1	0.1	0.1	18.3	
	2009			2007										
Water Year 2007	0.2	3.2	4.2	0.7	5.3	0.8	1.6	0.4	0.1	0.3	0.0	0.2	17.0	

√ **Running Dry**

CBS "60 Minutes" aired a news segment on California's water crisis on Sunday, December 27, 2009. This segment featured Lesley Stahl interviewing Governor Schwarzenegger, farmers and water experts. Issues surrounding the San Joaquin Valley and the Sacramento San Joaquin Delta were covered. If you missed this episode, it might still be available at www.cbs.com .

√ **California's Snow Survey**

Attached is the press release for the first snow survey for water year 2010. Northern Sierra snow water equivalents are at 77 percent of normal for this date, central Sierra at 85 percent, and southern Sierra at 99 percent. For information regarding precipitation for the Hetch Hetchy System, please refer to the San Francisco Public Utilities Commission Hydrological Conditions Report for December 2009, in the Board packet.



News for Immediate Release

December 30, 2009

Contacts:

Don Strickland, Information Officer..... (916) 653-9515
Ted Thomas, Information Officer..... (916) 653-9712
Eric Alvarez, Information Officer..... (916) 653-3925
David Rizzardo, Snow Surveys..... (916) 574-2983
Frank Gehrke, Snow Surveys Office..... (916) 952-4044
(on-site cell phone number on day of survey)

DWR Announces First Snow Survey Results of 2009/2010 Winter Season

SACRAMENTO -- The Department of Water Resources (DWR) first snow survey of the 2009/2010 winter season indicates snow water content is 85 percent of normal for the date, statewide. This time last year, snow water content was 76 percent of normal statewide.

"Despite some recent storms, today's snow survey shows that we're still playing catch-up when it comes to our statewide water supplies," said DWR chief deputy director Sue Sims. "Looking at the real possibility of a fourth dry year, we must prepare now, conserve now and act now, so that we have enough water for homes, farms and businesses in 2010 and in the future."

Governor Schwarzenegger has championed a comprehensive water plan that he signed into law last month. The plan will safeguard the state's water supply through a comprehensive plan that includes water conservation, more surface and groundwater storage, new investments in the state's aging water infrastructure, and improved water conveyance to protect the environment and provide a reliable water supply.

While today's snow survey determined that the water content is higher than last year at this time, it's too early to ascertain whether improved figures will translate into a better water year than the state experienced last year.

Electronic sensor readings show northern Sierra snow water equivalents at 77 percent of normal for this date, central Sierra at 85 percent, and southern Sierra at 99 percent. The sensor readings are posted at <http://cdec.water.ca.gov/cgi-progs/snow/DLYSWEQ>.

Storage in California's major reservoirs is low. Lake Oroville, the principal storage reservoir for the State Water Project (SWP), is at 29 percent of capacity, and 47 percent of average storage for this time of year.

DWR's early estimate that it will only be able to deliver 5 percent of requested State Water Project water this year to the Bay Area, San Joaquin Valley, Central Coast and Southern California reflects

low storage levels in the state's major reservoirs, ongoing drought conditions, and environmental restrictions on water deliveries from the Sacramento-San Joaquin Delta to protect endangered fish species. Increased precipitation this winter could increase this allocation level.

DWR estimates that fishery agency restrictions on Delta pumping adopted in the past year to protect Delta smelt, salmon and other species could reduce annual deliveries of State Water Project water by up to 30 percent.

Results of today's manual survey by DWR off Highway 50 near Echo Summit are as follow:

Location	Elevation	Snow Depth	Water Content	% of Long Term Average
Echo Summit	7,450 feet	30.3 inches	7.1 inches	57
Lake Audrain	7,300 feet	46.5 inches	12.5 inches	91
Phillips Station	6,800 feet	38.5 inches	9 inches	75
Lyons Creek	6,700 feet	37.2 inches	10.2 inches	86
Tamarack Flat	6,500 feet	38.5 inches	9.8 inches	84

Importance of Snow Surveying

Snow water content is important in determining the coming year's water supply. The measurements help hydrologists prepare water supply forecasts as well as provide others, such as hydroelectric power companies and the recreation industry, with needed data.

Monitoring is coordinated by the Department of Water Resources as part of the multi-agency California Cooperative Snow Surveys Program. Surveyors from more than 50 agencies and utilities visit hundreds of snow measurement courses in California's mountains to gauge the amount of water in the snowpack.

-0-

The Department of Water Resources operates and maintains the State Water Project, provides dam safety and flood control and inspection services, assists local water districts in water management and water conservation planning, and plans for future statewide water needs.

Contact the [DWR Public Affairs Office](#) for more information about DWR's water activities.

MONTHLY REPORT

To: David Dickson, General Manager
From: Joe Guistino, Superintendent of Operations
Agenda: January 12, 2010

Report

Date: January 5, 2010

Monthly Highlights

Denniston Filter Problem

We are working to identify the cause of the filter problem that required the shutdown of Denniston WTP. An underdrain failure may have led to plugging of the underdrains with media fines. The next step in finding the problem is to remove the media and inspect the underdrain system.

Pilarcitos Canyon Blending Project

Consultant Kennedy Jenks have submitted and Staff has reviewed and returned the 95% bid documents for the installation of the blending station.

Source of Supply

Crystal Springs Reservoir was the major source of supply for the month of December. Pilarcitos Wells 1, 4, 4A and 5 supplemented Crystal Springs this month.

Systems Improvement

Beautification

- Crews removed scrap metal from Nunes Water Treatment Plant (WTP) site.
- Christmas lighting was installed on 3 December in time for the "Night of Lights".
- Crews cleared out all old meters from District yard.
- Crews cleaned around District tank sites, Denniston WTP and the V-ditch at Nunes.

Nunes Filter Drains

Crews started on a project to plumb the Nunes filter drains to recycle to the washwater recovery basins rather than flowing into the plant drainage. This eliminates the need for an NPDES permit.

Nunes Filter Flows

All bolts were replaced on the Nunes filters in anticipation for orifice plate exchange this year. Replacement of the orifice plates will allow us to determine actual flow rates through the filters for the first time in 16 years.

Wells

We have installed AMRs on the wells in order to better determine start/stop patterns. Hour meters also made functional on wells where they had stopped working or were missing.

Update on Other Activities:

Unidirectional Flushing Program

Crews have started on the valve exercising phase of the Unidirectional Flushing Program.

Denniston Filter Media Breakdown

The operators have noticed that the filters were not backwashing to their full capacity and this was affecting the filter runs. Filter runs dropped from 24-28 hours to 10-13 hours. The plant was shut down on 9 December. Investigation of the effluent piping showed that there was much broken down anthracite media clogging the underdrains. Anthracite media should last for 10-15 years before needing replacement. We have sent the media to a materials testing lab for analysis and have set up a meeting with the supplier of the media for 7 January. We have also retained an objective 3rd party media expert to help to assess what has happened. The media will be removed from all of the filters to assess the condition of the underdrains and to further determine the cause of the media failure.

Canada Cove

Progress is being made to the Canada Cove water system. The tank has been decommissioned and dismantled and the District Engineer is presently reviewing the submittals for the fire valve and other appurtenances associated with the project.

El Granada Tank 1 Encroachment

A recent survey of our property at the El Granada Tank 1 site associated with improved security fencing has revealed that our neighbor's home is partially on our property. We have re-evaluated the site and have determined the changes to be made with a lot line adjustment. The neighbor is willing to provide fair payment for a small portion of our property as part of the lot line adjustment. We have re-surveyed the adjusted lot line and will have the parcel appraised once we get the legal description from the surveyor.

Safety/Training/Inspections/Meetings

Meetings Attended

9 December – Backflow prevention webcast in Board Room.

9 December – Sexual Harassment Training at Sanitary District Midcoast (SAM).

16 December – National Pollution Discharge Elimination System (NPDES) update meeting at East Bay Municipal Utility District (EBMUD)

16 December – Bay Area Water Supply and Conservation Association (BAWSCA) water quality meeting in Redwood City.

22 December – Facilities Committee meeting

22 December - In-house Operations and Maintenance (O&M) meeting

Safety Meeting and Training

This month's training was on Sexual Harassment for Supervisors and Management types at SAM. Steve Twitchell, Gina Brazil and I were in attendance.

Department of Public Health (DPH)

Interim Distribution Evaluation Survey (IDES)

The IDES was a part of the Stage2 Disinfectant/Disinfectant Byproducts Rule (Stage 2 D/DPBR) that is slated to be put in effect in 2013. It involved profiling the DBPs in representative portions of our distribution system. We have completed the survey and turned the results in to the DPH. We have one site that will not comply with the Local Running Annual Average (LRAA) component of the rule. The Denniston Tank Modifications and the ability to move to post chlorination at both of our treatment plants will allow for this site to become compliant. We will continue to monitor this site.

Projects

Tank Recoating Projects

Miramar Tank - The contractor has completed the internal coating on the ceiling, rafters and sides. They also have completed the primary coat on the outside and will complete the topcoat at the beginning of January. They will be repairing some pits on the inside floor and complete that coating by mid month. The tank is scheduled to be put back on line by the end of January.

Pilarcitos Canyon Blending Project

Consultant Kennedy Jenks have submitted and Staff has reviewed and returned the 95% bid documents for the purchase of the blending valve. We will be ready to send out an RFP for the purchase of the valve by February. The consultant is presently working on the construction drawings and specs for the vault construction and valve installation. I will be garnering the permits from San Mateo County in January.

Denniston Treatment Improvements

The consultant is proceeding with the design documents for the pretreatment and sludge handling facilities for the Denniston WTP.

Church Street Mainline Extension

The line has been installed and tested. The contractor is presently swapping the present users from the old 2" line to the new 6" line. The project should be complete in January.

Cell Tower Sites

Verizon - The new cell tower at Nunes WTP is about 90% complete.

T Mobile - Is still in talks with the County and other providers as to particulars of the installation at the El Granada Tank 1 site.